Gemology

An Annotated Bibliography

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An Annotated Bibliography

Volume 2

By
JOHN SINKANKAS

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KRAUS, EDWARD HENRY (1875-1973) & HOLDEN, EDWARD FULLER (1901-1925)

US mineralogists; E H K b Syracuse, NY; BS Syracuse U 1896; PhD Munich U under Paul Groth 1901-4; asst prof mineralogy U Michigan 1904; full prof & head dept mineralogy by 1908; 1919 aided in founding Mineralogical Soc Amer & its first pres; Roebling Medal of MSA 1945, other numerous honors. Mem E W Heinrich, *Amer Min*, 59, 3/4, 1974, 402-4, E F Holden vita, see under his name.

3563. -----1925

Gems | And | Gem Materials | By | Edward Henry Kraus, Ph.D.,Sc.D. | Professor of Crystallography and Mineralogy and Director of the | Mineralogical Laboratory, University of Michigan | And | Edward Fuller Holden, Ph.D. | Late Instructor in Mineralogy, University of Michigan | First Edition | McGraw-Hill Book Company, Inc. | New York: 370 Seventh Avenue | London: 6 & 8 Bouverie St., E.C.4 | 1925

8°: vii, [1 blank], 222, [2 blank] p; 256 fig(mainly drawings & photos), 11 tab. Dk red cloth, blind frame both covers; gold title & rules on spine. 23 x 15 cm(9 x 5 7/8 in). Cut. $3.00. LC 25-18125. JSL.

Cont; 1/2tp; advert; tp; publ data; pref(with death notice of jr author); tab cont; blank p; introd; text; tabs; index; blank f.

Due to the death of Holden prior to publication of this work, only, the first two editions bear his name; the others were co-authored by C B Slawson. The text is based on a series of lectures to students of mineralogy in the University of Michigan but edited to present a smoothly flowing, coherent presentation of the entire field of gemology; it is the first comprehensive gemological textbook to be written in the United States and because of its simple, readily understandable language, and authentic information, remains useful and popular into the present day, Topics are crystallography, physical & optical properties, chemical properties, formation & occurrence of gem minerals, lapidary work, nomenclature, manufactured gemstones, and in a second part, the descriptions of individual gemstones and a classification according to various properties. The tables present lists of crystal forms, properties, etc, with a final summary table of gemstones and their properties, in alphabetical order. B W Anderson, *The Gemm*, 8, 95, 1939, 187-8, "written in a very clear if somewhat staccato style... there is nothing in the book to bewilder the beginner, and much to interest the expert." Also rev W F Hunt, *Amer Min*, 10, 12, 1925, 446-7. This edition passed into at least a third impression.

3564. -----1931, 2nd edit

Gems |...| Second Edition | McGraw-Hill Book Company, Inc. | New York And London | 1931

8°: ix, [l blank], 260, [2 blank]p; 325 fig, 11 tab. Dk red cloth, blind frame front cover only; gold title in stamped panel on spine, with rules. 22.8 x 14.7 cm(9 x 5 3/4 in). Cut. JSL.

Many revisions throughout, some chapters expanded, descriptions of gem materials rewritten & expanded in several instances, notably for diamond and amber. "The work of revision has been greatly facilitated through the assistance of my colleague... Chester B.Slawson." At least two impressions, Rev: A J Walcott, *Amer Min*, 17, 3, 1932, 124.

3565. -----1939, 3rd edit, SLAWSON, CHESTER BAKER(1898-1964) co-author

US mineralogist; PhD U Michigan 1925; prof 1946; geologist Mich Geol Survey 1924-5, summers 1926-8; special interest in diamond and author many research papers on same. Mem R M Denning, et al, *GSA Bull*, 76, 1965, p 13-p 16, portrait.

Gems | And | Gem Materials | By a Edward Henry Kraus, Ph.D., Sc.D. | Professor of Crystallography and Mineralogy and Dean | of the College of Literature, Science, and the | Arts, University of Michigan | And | Chester Baker Slawson, Ph.D. | Assistant Professor of Mineralogy, University of Michigan | Third Edition | McGraw-Hill Book Company, Inc. | New York And London | 1939

8°: xiii, [1 blank], 287, [1 blank]p; tip-ln col front pl(includ in pag) + 3 other col pls tip-in(not includ in pag!); 344 fig; 11 tab. Dk red cloth, gold cut gem on cover; gold title on black spine panel, gold rules. Pale tan endp. Yellow dj, cut diamonds photo on cover; resume, other bks of publ. 22.8 x 15.4 cm(9 x 6 in). Cut. $3.50. LC 39-11019. JSL.

Cont: 1/2tp; other publ bks; front; tp; publ data; prefaces; tab cont; text; tabs; index; blank p.

Thoroughly revised, reset, 65 new text fig, "The four excellent colored plates are from the second edition, 1934, of *Edelsteine und Schmucksteine* by Dr.W.Fr.Eppler." Chapter on precious metals added. Rev *Amer Min*, 24, 7, 1939, 461; *G & G*, 3, 1, 1939, 15.

3566.-----1941, 4th edit

Gems |...| Fourth Edition |...|1941

8°: xiii, [1 blank], 287, [3 blank]p; col pls omitted but front pag not changed, hence p [v-vi]absent; 344 fig, 11 tab. Same binding, etc.

Actually a reprint; "due to the... demand for the third edition, the supply of imported color plates has been exhausted. Unfortunately, the disturbed [World War II] international situation makes it impossible to secure a new supply." Due to wartime regulations, reprintings of this edition now bear reprinting numbers in the title, they are smaller in size to conserve paper, and the latter is thinner, less white, and poorer in quality. Bindings same. 21 x 13.5 cm(8 1/4 x 5 1/4 in). Cut. LC 41-27285.

3567. -----1947, 5th edit

Gems And | Gem Materials | By Edward Henry Kraus | Professor Emeritus of Crystallography and Mineralogy and | Dean Emeritus of the College of Literature, Science, and | the Arts, University of Michigan | And Chester Baker Slawson | Professor of Mineralogy, University of Michigan | Fifth Edition | McGraw-Hill Book Company, Inc. | New York And London | 1947

16°: ix, [1 blank], 332, [2 blank]p; 403 fig, 11 tab. Pale red cloth, gold cover title; gold spine title on narrow vertical panel. White dj. 22.2 x 14.3 cm(8 3/4 x 5 5/8 in). Cut. Thinner, off-white paper. $4.50. ISBN 0-07-035361-1. JSL.

Cont: 1/2tp(& paper shortage note); other publ bks; tp; publ data; prefaces; tab cont; blank p; text; tabs; index; blank f.

Numerous changes, additions, entirely reset. Technical chs expanded; new ch on crystal structure & X-ray methods; all descriptions of gemstones revised, 5 new gemstones added; several tables expanded. Biblio added, p 317-19, 66 entries, Above format, size, etc retained up to & including 3rd impression, after which the four col pls removed in 1941 were restored and the paper quality improved, Numerous impressions up to 10th at least, but not indicated on titlep; these later printings bound in similar pale red cloth but title on cover & spine in

silver; black vertical spine panel replaced by a silver frame. By 10th impression, size increased to 22.9 x 15.3 cm(9 x 6 in). Cut. Rev B W Anderson, *The Gemm*, 17, 201, 1948, 94, & no 202, 124-5; R T Liddicoat, *G & G*, 6, 2, 1948, 61.

END OF GEMS & GEM MATERIALS

3568. -----1939 Variation of hardness in the diamond. *Amer Min*, 24, 11, 1939, 661-76, 28 fig. Also separately in print gray paper wrap. JSL. Classic study showing how the hardnesses vary according to crystal direction.

3569. KRAUS, E H, et al Symposium on diamonds. *Amer Min*, 27, 3, 1942, 162-91, ill. JSL. Introd by Kraus; diamond production S H Ball; cutting gem diamonds L Kaplan; diamonds in wire-drawing P L Herz; diamond dies A Shayne; diamond-set tools C B Slawson; bonded diamond wheels A A Klein; evaluation criteria H Berman. Also issued separately in printed pale gray wrap.

3570. -----1946 Third symposium on diamonds. Ibid, 31, 3/4, 1946, 135-67, 18 fig. JSL. Introd by Kraus; diamond production S H Ball; gem diamonds L Kaplan; bonded diamond wheel applications A A Klein & C R Van Riper; vector hardness in diamond tools H Whittaker & C B Slawson; orientation & hardness variations H Winchell; preparation & standardization of powders H Insley & B L Steierman; application of high-voltage arc to cutting, sawing, drilling of diamonds C G Peters; development & trends in use of industrial diamonds C B Slawson.

KRAUS, P D, see KENNEDY, G S, et al and LEIPER, H, 1964 and QUICK, L & LEIPER, H, 1977.

3571. KRAUSE, JOHANN HEINRICH

Pyrgoteles | oder | die edlen Steine der Alten | im | Bereiche der Natur und der bildenden Kunst, | mit | Berücksichtigung der Schmuck- und Siegelringe, | insbesondere der Griechen und Römer, | dargestellt | von | Dr.Johann Heinrich Krause, | Docenten an der Universität zu Halle. | Mit drei lithographirten Tafeln. | Halle, | G.Schwetschke'scher Verlag. | 1856.

8°: XXII, 302 p; 3 fold pls at end. Pale green paper wrap, black cover title. 21.4 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: tp; dedic; fwd; tab cont; text; index & pls explan; index to ancient authors; subj & names index; errata; pls.

A scholarly work of immense research on the precious stones of the ancients, that is to say, engraved gems. Despite its obvious merits, it is roundly criticized by C W King, never one to mince words, in his *Antique Gems and Rings*, 1872, 1, p 465: "A truly German performance, displaying an enormous amount of dactyliogical reading, neutralized by the national want of *esprit*, and a total deficiency of all practical knowledge of the subject. It is self-evident that the author was never the possessor of a single gem... The book, however, has a certain value in the immense number of references it contains to the whole extent of the literature of the glyptic art." The first part discusses the concepts held by the ancients concerning gemstones in their natural states, tracing gemological knowledge from the Orient to the West by means of fragments of writings and mentions of stones in Homerian epics, the Orphic poem(given as by Onomakritos), Herodotus, Plato, Aristotle, Theophrastus and Pliny, the last receiving much attention from Krause. This part alone is worth the effort required to consult this book despite the disparaging remarks of King. The second part is devoted entirely to engraved gems, reviewing the development of the art, describing ornamental and seal rings of the Romans, raw materials used for gems, including pastes, the techniques of engraving, suitable stones for same, and many other topics which bear upon the theme. In fairness to King, however, it should be said that Krause tends to be exasperatingly long-winded while his abundant footnotes that refer to important literary sources are too brief to be useful per se, and in any event, all of them should have been collected into a bibliography. Important, rare. Vinet 1659 who quotes King; see also Furtwängler, *Die antiken Gemmen*, 3, 433, who more less agrees with King.

3572. KRAUSE, P G Obsidian-Bomben aus Nederländisch Indien. *Sammlung Geologischen Reichsmuseum Leiden*, no 24 A, 1898, 236-52, fig, Pl 14; also in *Jaarboek van het Mijnwesen in Nederlandsch Oost-Indië*, 27, Wet Ged, 1898, 17-32, Pl 14, not seen. On East Indies tektites.

KRAUSS, FERDINAND HERMANN (1889-)

Ger chemist; PhD U Erlangen 1914; from 1929 prof inorg chem Tech High Sch Braunschweig. Pogg 6, 1401.

3573. -----1929

Synthetische Edelsteine | Von | Dr.Ferdinand Krauss | Braunschweig | Mit 1 Figur und 18 Abbildungen | [logo] | 1929 | [rule] | Verlag von Georg Stilke in Berlin

8°: 133, [1], [2 advert]p; single fig(actually 6 in one); 18 text fig. Brownish-red cloth, framed gold title on cover; gold lett spine, Pale tan endp. Pale brown lett dj. 22.2 x 14.5 cm(8 3/4 x 5 3/4 in). Cut. Mk 6.50. JSL.

Cont: tp; publ data; fwd; tab cont; 5 chs; biblio(p 116-8, 341 entries); author index; advert. GS 30-17.

The first chapter introduces the book, treating the history of gemstones in general and reviewing previous attempts to imitate and synthetize gemstones. Ch 2 problems of nomenclature; 3 summarizes specific features and properties of gemstones; 4 considerable detail on past attempts to synthesize diamond, corundum, spinel, quartz, chalcedony, opal, alexandrite, phenakite, emerald, aquamarine, euclase, topaz, spodumene, zircon, diopside; distinctions between natural and synthetic gemstones. Regarded favorably by L J Spencer, *Min Mag*, 22, 125, 1929, 67: "useful and concise review of the results that have been obtained in the artificial production of gem minerals, more particularly diamond and corundum... the author believes that H.Moissan succeeded in preparing diamond, but that the results of other experimenters are doubtful,"

KRAUT, H, see STROMER, E, et al

3574. KRÄUTERMANN, VALENTINUS, pseud of HELLWIG, CHRISTOPH VON (1663-1721)

Historisch-Medicinisches Regnum Minerale, oder Metallen- und Mineralien- Reich... Frankfurt, 1716, also 1717. 8°. Not seen. Agassiz III, 387.

3575. -----1726, new edit

Neu=vermehrtes Historisch=Medicinisches | Regnum Minerale, | Oder | Metallen= | und | Mineralien-Reich, | Und zwar

anietzo in II.Haupt=Theilen/ | Da in dem Ersten enthalten | Eine accurate Beschreibung | Aller Ertze, Mineralien, Metallen und Edelgesteine, | wie sie wachscn und gefunden werden, und wo sie in der | Medicin und sonsten zu gebrauchen. | Im Andern aber die vollkommene | Scheide= und Probier=Kunst, | Darinnen gehandelt wird, | Was Scheiden und Probieren sey, wie es vorzu= | nehmen, so wohl im nassen als trockenen Wege, wie die Ertze | nach ihrem Gehalt zu erkenen/&c. Samt etlichen raren Processen | und Experimenten/ | Nebst einem Anhang/ | In welchem alle zum Scheiden und Probiren gehörige Sa= | chen/ und wie solche zu verfertigen/ beschreiben werden. | Nebst nöthigen Register zum andern mal ans Licht gestellet | von | Valent. Kräutermann/Med.Pract.Thur. | [rule] | Franckfurt und Leipzig/ | Verlegts Ernst Ludwig Niedt, in Arnstadt, 1726. [title in red & black]

8°: front engrav pl tip-in + [16?], 472, [8]p; a^8, A-Gg^8. 17 x 10.5 cm (6 3/4 x 4 1/8 in). Cropped. BM(NH) copy which has only 7 f in sign "a," but a catchword on f 7 v that is not repeated on the first text page suggests that the last f of this signature has been removed.

Cont: front; tp; pref; text.

The first part is on minerals, rocks, stones, ores, etc while the second part treats assaying and metallurgy. Gemstones appear on p 147-220, but as is true of many works of this period, the term is used to embrace such odd materials as fossils, figured stones, and other curiosities in addition to the gem minerals and varieties as sard, topaz, emerald, ruby, sapphire, diamond, and others. Interspersed in this section are recipes for manufacturing colored glasses to imitate gemstones and a glass frit for use in making pressed glass gems. Basic facts are given on gemstones, what they are, where they are found, obvious properties, and medicinal virtues, if any. The treatment is more in line with a herbal rather than a serious attempt to provide a scientific-technical education to readers.

3576. -----1747, another edit Historisch-Medicinisches Regnum Minerale, oder Metallen- und Mineralien-Reich... Arnstadt, Verlegts Johann Jakob Beümelburg, 1747. 8°: [16], 472, [8]p. Front included in first gathering. Title in red & black. Not seen: from J Ferguson, *Bibl Chemica*, I, 480; Hoover Coll, p 95, no 396; Agassiz III, 387; Böhmer, II, 2, 290.

3577. KRECHETOVA, MARIANNA NIKOLAEVNA

Reznoi | Kamen | Kitaya | V Ermitazhe | [orn in green] | Izdatelstvo Gosudarstvennogo Ermitazha | Leningrad · 1960 [With facing title:]

M.N.Kretchetova [sic] | Carved | Stone | Of China | At The Hermitage | [green orn] | The State Hermitage Publishing House | Leningrad · 1960

8°: 101, [3] p (p [24-96] unnumb, on glossy paper); 3 text fig; 70 b&w photos on 35 bound-in f + 4 col pls tip-in with other plates(ill list states that col plate 75 is on the cover, ie, dj). Green cloth, blind-stamped design on cover; pale gray spine lett. Pale green bamboo-leaf pattern endp. Green ch orns & inits. Col dj. 3,000 copies. 20 r. JSL.

Cont: green logo; Engl tp; Russ tp; edit data & dj caption; Russ text; Engl text; pls sect prelim f with green Chinese lion orn; pls; ill lists in Russ & Engl; biblio p 103, 5 entries; publ data.

Fair to sometimes good photographs illustrate about 70 selected examples of Chinese hardstone carvings from among more than 1,000 pieces in the Hermitage Museum, Leningrad. Most were acquired in Tsarist regimes but some were donated to the museum in recent years by the Chinese Government. The specimens are not exceptional. The text describes jades, sources, lapidary treatment, significance of objects, and the development of the carving art in China from antiquity to the present with remarks on recent lapidary work in China. The illustration lists identify the objects and symbolism, stone used, and give dimensions. Descriptions of lapidary methods are taken from S H Hansford, *Chinese Jade Carving*, 1950. Rev *Oriental Art*, ns, 7, 1961. 141; G M Born, p 197.

3578. KRENKOW, F The chapter on pearls in the Book of Precious Stones by Al-Biruni. *Islamic Culture*, 15, 1941, 399-421; 16, 1942, 11-36. Not seen.

KRIS, ERNST(1900-1957)

Ger art historian, later an eminent psychoanalyst; grad U Vienna in art hist & classical archeol; met Sigmund Freud when examining his collection of antiquities & art objects; from 1927 a mbr of Vienna Psychoanalytic Inst; stud medicine 1931; 1938 emigrated to London; from 1940 in New York City. NDB 13, 48-9.

3579. -----1929 Meister und Meisterwerke der Steinschneidekunst in der italienischen Renaissance. Wien: Schroll, 1929. 2 vols(text & pls). Not seen; from Arntzen, P 607: "the standard work on the history and technique of the glyptic arts... introductory chapters on techniques and the development of Burgundian-French gem engraving. The major portion of the text surveys gem engraving in Italy in the 15th and 16th centuries." With 658 ill on 200 pls, with comments on the gems, p 149-93, biblio p 95-6, index of artists and another of the locations of the depicted gems. Reprinted 1979, 202 p + pls, in buckram, 29 x 23.5 cm, in Thomas Heneage Cat 8, London, 1984, no 335.

3580. -----1930(?)

Renaissance-Kleinkunst | In Italien | Gefässe, Gemmen, Schmuckstücke Und Skulpturen | In Bergkristall Und Edelstein | Herausgegeben Von | Ernst Kris | Mit 658 Abbildungen | Auf 200 Tafeln | H.Schmidt & C.Günther. Leipzig [nd, ca 1930]

8°: [4], 11, [1] p + 200 p(corresponding to 200 plates, all on glossy paper), 658 photos. Dull red cloth, gold lett cover & spine. 28.3 x 22.6 cm(11 1/8 x 8 7/8 in). Cut. JSL.

Cont: tp; fwd; photo credits & erratum; index & captions to ill; pls.

According to the foreword, the publishers complied with many requests and reprinted the plates volume of Kris's work above. This splendid work contains 658 photographs upon 200 plates, all of good quality, and depicting the small lapidary pieces made in Italy during the Renaissance, and including engraved gems, objects decorated by such gems, statuettes, plaques, screens, panels, crosses, reliquaries, altar furniture, caskets, many types of vessels & containers, and table decorations of all kinds. By far the largest number depict rock crystal objects and engraved gems. While the period is indicated, along with the identity of each object and the material from which made, there are no dimensions, and the work is not as useful as one would hope for.

3581. -----1932

Catalogue | Of | Postclassical Cameos | In The | Milton Weil Collection | By | Ernst Kris | 19 [logo] 32 | Anton Schroll & Co., Publishers | Vienna

8°: 49, [1 blank], [1], [1 blank]p; 40 bound-in photo pls + [1 blank] f supplied. Heavy, pale gray wrap, rect paper label on cover with border rule enclosing title; small paper title label spine. 20.8 x 13.2 cm(8 1/4 x 5 1/4 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; pref; introd; catalog; biblio(p 48, 9 entries); index of gem engravers; blank p; pls tp; blank p; pls; blank f.

The introduction briefly characterizes the Weil Collection and is followed by the catalog of 123 gems, each with its own photograph, all photos of high quality, and with catalog entries describing each gem, the material, subject, signature, major dimension, previous publication, provenance, and comments. At the time of writing the collection was on permanent loan to the Metropolitan Museum of Art, New York.

KRIS, E, see EICHLER, F

3582. KRISHNAN, M S Mineral resources of Madras. *Mem Geol Survey India*, 80, Delhi, 1951, 12 pls(maps); reissue(less maps) in 1968. 8°: [2], vii, 331, xi p; card covers, title on front, cloth spine. 21 x 13.8 cm(8 1/4 x 5 1/2 in). Cut. Rs 19.00; foreign 44 s or $6.84. JSL. Ch 20, p 126-30, on gemstones: quartz varieties, apatite, beryl, chrysoberyl, cordierite, corundum, diamond, feldspar, garnet, kyanite, opal, serpentine, tourmaline and zircon; addit material on gemstones in Ch 14, corundum, Ch 16, diamond, p 99-105. GS 56-87.

KRISS-RETTENBECK, L, see HANSMANN, L

3583. KROL, L H Bijdrage tot de kennis van den oorsprong en de verspreidung der diamanthoudende afzettingen in Zuid-oost-Borneo en van de opsporing en winning van den diamant. *Jaarboek van het Mijnwesen in Nederlandsch Oost Indië*, 49, verh 1, 1920, 250-304, figs, Pl 19. Origin and distribution of alluvial diamonds in Southeast Borneo. Not seen.

3584. KRUG, JOHANNA

Johanna Krug | Prisen aus kleinen Tabakflaschen | Notizen und Bilder einer Sammlung | Verlag Lambert Müller GMBH. München [1967]

Cementb: 159, [1 blank]p; front col pl + 40 other pls(8 b&w line drawings, 32 color); fig. Bright reddish-orange silk, gold lett & blind stamped Chinese lion on cover; gold lett spine. Gold dj, black lett on front with raised blind stamping of lion. 23 x 25 cm(9 x 9 7/8 in), oblong. Dull black endp. Dec slipcase. Cut. Limited edit, 750 copies. JSL.

There are six inserts of Japanese mulberry paper, alternating pale gray & blue, bearing symbols, and serving as chapter dividers.

Cont: 1/2tp; dedic & ackn; limited edit note; front; tp; quot & publ data; tab cont; ill list; 17 chs; biblio(p 125, 23 entries); index; summ; blank p.

Excellent survey of Chinese snuff bottles based on examples in the author's collection and displaying a surprising variety considering that her interest in snuff bottles only "exploded" when her husband presented her with a copy of L S Perry's *Chinese Snuff Bottles*, 1960. The origin of her collection is given in the first chapter and is followed by another on the history of Chinese snuff bottles while a third chapter treats the forms and materials. Other chapters systematically describe bottles made from porcelain, glass, quartz varieties, jade, other minerals & materials, organic materials, metals, enamels, etc. These chapters are followed by others on symbolism, fables, animals, gods, dating problems, marks, and how to collect. All of it is illustrated with excellent photographs. An English translation of the German captions is provided along with an English summary of the text. A fine production but fatally flawed by the use of cement backing instead of sewing; my copy, shortly after use, already shows signs of separation. Hugh Moss, the London snuff bottle seller and connoisseur, notes in his "A beginners guide to Chinese snuff bottles, part 2, in *The Antique Dealer And Collectors Guide*, London, Dec 1970, p 97, that this book is "a diluted carbon copy of Lilla Perry's book, for which the authoress claims no great merit. The illustrations, although of good quality, are of bottles chosen by a collector without Mrs.Perry's informed taste." These criticisms are unmerited. Also rev by him in *Chinese Snuff Bottles*, 5, May 1969, p 12-3.

3585. KRÜGER, KARL (1897-)

Karl Krüger | Das Reich | Der Gesteine | Minerale | In | Technik, Wirtschaft Und Kultur | Mit 123 Fotos Auf Kunstdrucktafeln, 3 Farbtafeln, | 26 Karten, 82 Technischen Zeichnungen Und 2 Faltkarten | [rule] | Safari - Verlag · Berlin [1954]

8°: 469, [1], p; (1 pls counted in pag); col front pl tip-in, other pls bound-in; 2 part-tinted fold maps tipped-in at end; 3 col pls, 32 b&w pls; 26 maps, 28 fig. Yellow-tan unfin cloth, with brown gem on front cover & brown bands & lett on spine. Te stained dull red. 23.8 x 16.8 cm(9 3/8 x 6 5/8 in). Cut. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; introd; 4 text parts; append; biblio(p 456-9, ca 160 entries); index & sources; advert; fold maps.

A remarkable work in many respects, the first part treating crustal geology & structure, the second part rock types, the third part principal mining endeavors and products of same, while the fourth part deals with the economics of the mining industry, and is followed by statistical tables of mineral production, mineralogical classification, origin of nonmetallic materials, pricing, rock-forming minerals, time, mining production by country, and references. P 370-88 are devoted to gemstones and provide a general summary of same along with economical notes, mining, production, etc, and with 8 photos on plates, and several text figures.

3586. KRÜGER, L Neuroptera succinicia baltica. Die im Bernstein eingeschlossenen Neuropteren des West preuss. Provincialmuseums in Danzig. *Stettiner Entomologische Zeitung*, 84, 1923, 68-92. Not seen: G R v Bock, 177.

KRÜNITZ, JOHANN GEORG (1728-1796)

Ger physician, encyclopedist; Md Frankfurt U 1749; only modest success in practise & as a professor turned him toward writing and ultimately the compilation of the economic-technological encyclopedia below. *Biographie Univ*, 22, 579-9.

3587. -----1773 and following

Oekonomisch-technologische | Encyklopädie, | oder | allgemeine System | der | Stats = Stadt = Haus = und Land=Wirthschaft, | und der Kunst=Geschichte, | in

alphabetischer Ordnung; | von | D.Johann Georg Krunitz, |...[5 lines of honors, etc]...| [engrav vignette] | Zehnter Theil, | von Ea bis Em. | Nebst 7 Kupfertafeln auf 1 1/4 Bogen. | Zweyte Auflage. | [rule] | Mit Königl. Preussischen und Churfürstl. Sächsischen Privilegien. |[rule] | Berlin, 1785 | bey Joachim Pauli, Buchhändler.

8°: [2] f + 787, [1 blank], [4] p; pi^2, A-Ccc^8, Ddd^4; 7 engrav fold pls bound-in at end; fold tab p 674. Front portr engrav of Jacob von Stäblin facing title; the portr & tp on a doublef, tipped-in. 19.5 x 11.7 cm(7 3/4 x 4 5/8 in). Cropped. JSL.

Cont: front portr leaf; tp; text; blank p; list of publ bks; pls.

In this volume, assumed to be representative of the earlier volumes of the series, the article "Edelstein," p 61-110, presents a broad view of what was known of gems and gemology at the time; topics include classification schemes, properties, lapidary treatment, cutting styles, engraved gems curious lore, famous engraved gem collections, commerce in gems, etc. According to *Biogr Univ*, cited above, the work was commenced in 1773 and by the time of Krünitz's death in 1796 had reached a total of 73 volumes; it was afterwards taken over by the brothers F J and H G Flörke, and by 1853 not less than 214 volumes had been issued.

KRUPP, H, see SCHMETZER, K, et al

3588. Not used.

3589. KRUSE, CARL Dactyliotheca corpus sententiarum dactylicarum, edidit C Kruse. Sundiae, C Hingst, 1963. vi, 52 p. 19 1/2 cm. USGS Kunz Coll, GS 34-852. Not seen.

KRUSTALLOS, see STRONG, HERBERT T

KÜHN, C G, see MAWE, J, 1816, the "Treatise "

KUIPER, G, see CUPERUS, G

3590. KUCHENMEISTER, F Uebersetzung der Arbeit de Filippi's" "Sull'origine delle perle, del dottore F. de Filippi, professore di zoologia nella Regia Universita di Torino," nebst auf eigen Untersuchungen gegründeten Anmerkungen. *Archiv f Anatomie,Physiologie u Wissenschaftliche Medizin*, Leipzig & Berlin, 1856, 251-81, Not seen.

3591. KUEHN, R LARY

[logo] | The Guide | To Colored Gems | by Lary Kuehn, C.G., F.G.A. |... [6 lines]...|1st Printing -- Aug.l977, 2nd Printing -- Sept. 1977, | 3rd Printing -- Dec.l977, 4th Printing -- Feb.l978. | 5th Printing -- March 1981. | Printed in Dallas, Texas USA [Dallas: R.Lary Kuehn Productions, Inc.] 3-ring looseleaf notebook, white covers, orange title on front & spine: 3 f + f2-f92; printed rectos only. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Notebook size: ca 23.5 x 18.5 cm(9 1/4 x 7 1/8 in). JSL.

Easily consulted compilation of principal facts about the major gemstones used for jewelry; meant primarily for jewelry craftsmen, repairers, and salesmen. First part: birthstones, color guide, durability table, other tables, general information. Second part: cautionary procedures to avoid damage to gemstones, ie, susceptibility to heat damage, acid etching, cracking in ultrasonic bath, etc.

3592. KÜHNEL, WALTER

Dr.Walter Kühnel | Mineralische Grundstoffe | in der pharmazeutischen und chemisch-technischen Praxis | 19 [logo] 50 | Fachbuchverlag GMBH · Leipzig W 31

8°: 111, [1 advert]p. Pale greenish-blue wrap, blue lett on cover. 20.8 x 14.8 cm(8 1/4 x 5 7/8 in). Cut. Paper yellowing. JSL.

Important data on mineral raw materials useful for pharmaceutical, chemical, and technological preparations, including agate, amber, copal, garnet, lapis lazuli, malachite, marble, and quartz; of little value.

KUKHARENKO, A A, see TRUSHKOVA, N N

3593. KULKE, H Die Lapislazuli: Lagerstätte Sare Sang (Badakhshan), Geologie, Entstehung, Kulturgeschichte und Bergbau. *Afganistan Journal*, Jg 3, H 2, 1976, 43-56. Not seen.

3594. KULMER, RUDOLF, FREIHERR VON

Rud.Freiherr von Kulmer's | Handbuch | für | Gold- und Silberarbeiter | und Juweliere. | Nebst einem Anhange | über | Edelsteine und Perlen. | [rule] | Zweite verbesserte Auflage | herausgegeben | von | Dr.Erwin Eichler | in Karlsruhe. | Mit einem Vorworte von Professor Dr.Meidinger in Karlsruhe. | Nebst Atlas | von 21 Foliotafeln und 44 in den Text gedruckten Holzschnitten. | [orn rule] | Weimar, 1887. | Bernhard Friedrich Voigt.

"Neuer Schauplatz der Künste und Handwerke... Achter Band... Zweiter Auflage..." [facing series title]

8°: XVI, 281, [3 advert]p; 44 text wood engrav; atlas of 21 litho pls bound separately. Pale green print wrap, title on cover; also in 1/4 brown cloth, pale green wrap pasted over both bds. 21.3 x 13.5 cm(8 3/8 x 5 1/4 in). Cut. Another copy, with atlas, USGS Kunz Coll, GS 34-219, rebound, measured 22.2 x 14.2 cm(8 3/4 x 5 5/8 in) and atlas 28 x 23.6 cm(11 x 9 1/4 in). Cut. Price, bound, Mk 10.50. JSL(text only).

Cont: blank p; ser tp; tp; fwds; tab cont & errata; text in 3 sects; index; advert.

A handbook of instruction for workers in the jewelry trades, giving much useful information on all aspects of the materials and methods used to create jewelry pieces. The appendix, on gemstones, p 219-71, discusses gemstones and their properties, how they are cut and into what forms, and then gives brief descriptions of the principal gemstones likely to be encountered in jewelry. There is an extensive list of trade names and their scientifically correct counterparts. The atlas does not include any plates concerned with gemstones. A rare work, printed on perishing paper, and probably accounting for the absence of copies in the market. A vague reference suggests that this work was reprinted ca 1907 by Herm Schlag Nachf. in Leipzig.

3595. KUME, TAKEO Tsuzoko hoseki-gaku [Popular science of jewels]. Tokyo: Maruzen Book Co, 1927. Red cloth, gilt & dec spine, patterned pale gray endp. 8°: [2], 808 p; front glossy tip-in col pl of cut gems; 115 text fig, many tab. Biblio p 2-4, 77 entries, none in Japanese. 18.7 x 12.7 cm(7 3/8 x 5 in), Cut. JSL. General gemology, followed by descriptions of gemstones, with diamond and pearl receiving most space. So far as I can ascertain, the first modern gemological treatise published in Japan by a Japanese, and in the language. The author was an eminent gemologist and mineralogist.

3596. -----1936 Hoseki Jiten [Dictionary of gems]. Tokyo: Maruzen Co, Ltd, 1936. V dk blue, limp leatherette, rounded corners, gilt spine title. Pale tan dj, decorated. In brown printed slipcase. 8°: [2], 8, 244, [2], 50 p + [16] double f tables + [3], [1 blank] p; 72 text fig; 7 text tabs. Titleleaf on thicker stock, supplied, with tissue & both tip-in. 18.2 x 10.2 cm(7 1/8 x 4 in). Cut. Biblio p 4-7, 116 entries, none in Japanese. Yen 2.00. In Japanese. Unlike the previous work, this book paginated in Western style. The alphabetical glossary, forming the main text, gives each term in a Western language, or phonetic equivalents of Japanese words, but with each definition in Japanese. Following the glossary are ring sizes, weight conversions, and other useful tables; the doubleleaf tables summarize gemstone properties for identification purposes.

3597. -----1966

Shin Ho Seki Gaku | Ku Me Take O | [orn rule] | Gemology | Diamonds Pearls | Precious Stones | By | Takeo Kume | [logo] | Kaza Ma Sho Bo | Kazama Shobu | No 34 1-Chome Kanda-Jinbocho Chiyodaku | Tokyo Japan | 1966 [title enclosed in orn ruled frame]

8°: title f supplied + glossy col pl of cut gems tip-in + 3, [1 blank], 6, [2 blank], 18, [2 blank], 731, [1 blankl, [1], [1 blank], [1], [1 blank]p; 11 other col pls(1 cut gems, others rough & cut); ca 70 b&w pls; ca 100 text fig; many tabs. Pale gray cloth, small logo on front cover; gilt spine title. 20.8 x 14.9 cm(8 1/8 x 5 7/8 in). Printed slipcase. Cut. JSL.

Cont(in Japanese order): tp; front; pref; biblio(p 1-6, ca 120 entries, all in Western languages); blank f; tab cont; ill lists; blank p; general introd; plate; text; history of gemstones in Japan; tables; index; publ data.

A greatly enlarged, up-dated version of Kume's 1927 work, and following the same organization. The color plates are garishly-hued, many are crude, and some are re-photographs of printed illustrations with consequent loss of sharpness. Description & comment by Kazama Shobo, *Gemmology, J Gemm Soc All-Japan*, 55, 4, 1975, 778-9.

KUME, TAKEO, see JOURNAL OF GEOGRAPHY

KUNCKEL, or KUNKEL, or KUNCKEL VON LÖWENSTERN, JOHANN (1630-1703)

Ger chemist, pharmacist, glass technologist; b Hutten; rediscovered process for preparation phosphorus; stud effects of light on plants; research on oils, fermentation, putrefaction. *Biogr Univ*, 22, 585-6.

3598. -----1756

Johann Kunckels | Churfürstlich Brandenb. wirklich bestallten geheimden | Cammerdieners, | Vollständige | Glassmacherkunst | worinnen sowol | dessen Erläuterungen über Anton Neri sieben | Bücher von dem Glassmachen und Dr. Merrets | hierüber gemachte | Anmerkungen | als auch | eine grosse Anzahl nützlich und angenehmer Versuche | nebst einem Anhang | von den | Perlen und Edelsteinen | enthalten sind. | [rule] | Erster [des Zweyter Theils] Theil | mit Kupfern. | neu vermehrte und verbesserte Auflage. | [rule] | Nürnberg | zu finden bei Christoph Riegels seel.Wittib 1756.

4°: [16], 472, [16] p; pi^2,)()(^{4},)()(^{2}, A-Nnn^4,)(^{4},)(^{4} [sic]. Bound- in engrav portr of author facing title; 18 other bound-in engrav pls. 20.8 x 16.1 cm(8 1/4 x 6 3/8 in). Croppcd. USGS Kunz Coll, GS 33-222.

Cont: front; tp; pref; tab cont; introd; transl of Neri with remarks of Merret and Kunckel to p 398; second pt; index & instruct to binder.

In the second part of this work, based on Neri's *Art of Glass*, originally published 1612, an appendix, p 427-64, contains descriptions and other data on gemstones in 40 chapters, giving for the diamond and ruby the standard prices at the time, also a price table for pearls and leading to instructions on how precious gems may be imitated with glasses.

KUNG CHING WANG, see AMERICAN ART ASSOCIATION, 1913

KUNZ, GEORGE FREDERICK (1856-1932)

USA gemologist, mineralogist, author, entrepreneur; b New York City; early childhood in New Jersey; in his youth amassed several collections of minerals subsequently sold to universities & museums; largely self-taught in scientific subjects & languages; at age 23 apptd vice-pres in Tiffany & Co of NYC, soon commencing extensive travels throughout America and Europe in search of gemstones(see KUNZ & RAY, 1927, below). An account of Kunz's early years appeared *The Treasure Trove*, May 1889, p 283 ff, while posthumous biographies include P F Kerr, *Amer Min*, 18, 3, 1933, p 91-4, portrait, and H P Whitlock, *Bull GSA*, 44, 1933, p 377-94, portrait, the last with an extensive list of Kunz's publ; see also Pogg 4, 818. As a public-spirited citizen, Kunz served in various capacities on numerous commissions & committees, private & governmental. Awarded hon degrees: AM, 1908, Columbia U, PhD, 1903, Marburg U, ScD, 1907, Knox U; Legion of Honor, Fr; Knight of Order of St Olaf, Norway; Officer, Rising Sun, Japan. Instrumental in international adoption of metric carat, naming of "tiffanite," moissanite, morganite, while his name attached to the purplish var of spodumene known as kunzite.

Kunz will always be remembered for the enormous quantity of literature that bears his name, although it has been suggested that he received a great deal of editorial/research assistance from various parties, not always acknowledged, in order to have published so much while at the same time engaging in extensive travels, performing administrative duties in Tiffany's, lecturing, and serving on numerous committees and commissions. Early in his career he recognized the research value of a personal library and took steps, even to the extent of placing advertisements in various journals, to buy as many potentially useful reference materials as he could, forming in time one of the world's finest gemological libraries. Some years after his death, the library was donated to the U S Government, specifically, the Geological Survey, and it resided in its library in Washington, D C for many years, then was moved to a rare book storage room in the Geological Survey's library at their headquarters in Reston, Virginia. These materials were used by him and his assistants to provide the bases upon which his works were erected. In an extended examination of his library, we (J & M J S) discovered masses of research materials & notes on diamond, clearly being gathered for a new work on this gemstone, but never carried beyond this point. On the whole, the shorter contributions of Kunz, especially those to scientific journals, appear to be strictly his own, many being valuable for announcements of new gem materials, sources, finds, and, in later years, descriptions of new meteorites. From his earliest days, Kunz was intensely interested in gem minerals and materials, particularly in those that were found in America, and it is said that he placed standing orders in behalf of Tiffany & Co to buy any American gemstones and pearls wherever produced. This policy led to a number of prospector/miners to claiming that their operations were subsidized or owned by Tiffany & Co, hoping thereby to add luster and possible profit to their ventures. In no small measure, the popularity of pearls, especially those from American freshwaters, is owing to Kunz's enthusiastic descriptions, and culminating in his monumental *The Book of the Pearl*, described below. The unabated popularity of every type of writing by Kunz testifies to the worthiness of his research, whether done alone or with help from others. While the numerous entries below seem overwhelming they encompass only the major works, with many more articles and short essays having been printed in numerous popular and professional journals.

ANNUAL PRECIOUS STONES CHAPTERS FOR USGS

Published in each issue of *Mineral Resources of the United States*, from the first for CY 1882, published in 1883, and annually thereafter until CY 1905, 1906, when the task was taken over by D B Sterrett(which see). Kunz created a network of reporters throughout the United States who sent him reports on events that

occurred in each area of responsibility. These reports remain historically important and in no small measure contributed to the data base for Kunz's first major book publication, *Gems and Precious Stones of North America*, first edit 1890, which see.

3599. -----1883 Precious stones. *Mineral Resources of the United States for Calendar Year 1882*, United States Geological Survey, Washington, D C, 1883, 482- 503. Import & export statistics; subtitle "American Gems and Precious Stones," p 483-99, with "List of gem stones known to occur in the United States," p 498-99, also arts by W E Hidden, "The discovery of emeralds in North Carolina," 500-2, and "Hiddenite - the new emerald-green gem," 502-3. The entire chapter was separately issued by Kunz with two titles, one for the Department of the Interior, and the other for the Geological Survey, bearing the new title "American Gems And Precious Stones," dated 1883, and bound in bright green or dark green cloth, blind frames both covers, gold cover title, terracotta endp, 22.5 x 14.5 cm(8 7/8 x 5 3/4 in). Cut. Most copies seen were signed by Kunz. A full list of all chapters in the Mineral Resources books is to be found in *Publications of the Geological Survey 1879-1961*, 1964, paper, p 98 ff. GS 17-319.

3600. -----CY 1883-1884 (1885), 723-82 New occurrences; statistical tabs. Offprinted in gray print wrap.

3601. -----CY 1885(1886), 437-44 Offprinted as above.

3602. -----CY 1886(1887), 595-605 Diamond in USA; synthetic ruby. Offprinted.

3603. -----CY 1887(1888), 555-79 Diamond in Georgia; diamond industry abroad; Kashmir sapphire; watch jewels; Hope Collection sale; C W King's engraved gems. Offprinted.

3604. -----CY 1888(1890), 580-5 Several brief notes with usual statistics.

3605. -----CY 1889-1890(1892), 445-8 As above.

3606. -----CY 1891(1893), 539-51 Diamond discoveries Great Lakes region; diamond in meteorites; Montana sapphires; Southwest USA turquoise; Arizona petrified wood; precious opal Idaho-Washington. Offprinted.

3607. -----CY 1892(1893 [sic]), 756-81 "This paper is founded on and is a resume of the nine papers... written since 1882..." Offprinted.

3608. -----CY 1893(1894), 680-702 More diamond discoveries in USA; diamond in other countries & statistics; foreign stones; synthetics. Offprinted.

3609. -----CY 1894; in *Sixteenth Ann Rept USGS to Secty Interior 1895*, Pt IV, Nonmetallic products, 1895, 595-605 Diamond finds USA; notes; statistics. Previous chapters in standard 8° size; the annual repts in 4° size.

3610.-----CY 1895, 17th Ann Rpt for 1895, Pt III, 1896, 895-926 Diamond in USA; diamond abroad; ruby & sapphire; gem collections; gem exhibits; X-ray fluorescence. Gray wrap offprint.

3611.-----CY 1896, 18th Ann Rpt for 1896, Pt V, 1897, 1183-1217 Diamond USA & abroad; genesis of diamond; Montana sapphire; uses of gems; literature; Africa; miscellany. Offprinted in gray wrap, with tp & tab cont.

3612.-----CY 1897, 19th Ann Rpt for 1897, Pt VI, 1898, 497-514 Diamond in South Africa; miscellany; collections; literature; forms of cutting; hardness; statistics. In paper offprint as above, 22 pages.

3613.-----CY 1898, 20th Ann Rpt for 1898, Pt VI, 1899, 557-602, with a fine litho col pl, tip-in, with explan f + captions(beryl crystal Maine; tourmaline crystal Haddam Neck; prehnite gems; turquoise gems; rose quartz gem; cut & rough Yogo Gulch sapphires). Much on diamond worldwide; sapphire in Montana; turquoise of SW USA; California rock crystal; Utah prosopite; moldavite; Auvergne minerals, France; carborundum & carbides; amberoid. Offprinted as above.

3614.-----CY 1899, 21st Ann Rpt for 1899, Pt VI, 1901, 419-62 Diamond in USA & elsewhere; North Carolina corundum and corundum gems elsewhere; precious stones of Japan; miscellany. Also offprinted.

3615.-----CY 1900(1901), resumed in the *Mineral Resources*, 749-78 Diamond here & abroad; Jubilee diamond; corundum worldwide; emerald in Egypt and Russia; color in gemstones; Tiffany-Morgan Collection; Bement Collection; Paris Expo of 1900. Offprinted in gray wrap, with own tp, etc, but greatly expanded in content, as given below.

3616.-----1901, special offprint, entitled "The Production Of Precious Stones In 1900," greenish-gray printed wrap, cover title, text half-title, tab cont, text, 62, [2 blank]p. Embodies most of the previous chapter but adds much more material, especially under diamond and diamond mining,

3617. -----CY 1901(1902), 729-71 Miscellany; gem cutting in USA & Europe; ancient jewels; literature. Offprinted.

3618. -----1902(1904), 813-65, 4 pls Diamond & industrial diamond (carbonados) from Brazil with 3 plates showing same; kunzite discovery in California; diamond cutting in USA with plate. Offprinted.

3619. -----1903(1904) 911-77 Jades; spodumene from North Carolina and California; amber in Prussia and Santo Domingo; Elba gemstones; Chester mineral collection; watch jewels; miscellany. Offprinted.

3620. -----1904(1905), 941-87 Gemstones of California with first good accounts of Southern California pegmatite gem deposits. Offprinted, enlarged, see below.

3621. -----1905, special offprint, entitled "The Production Of Precious Stones In 1904," greenish-gray print wrap, cover title, text full title, tab cont, text. 120 p. Embodies most of the previous chapter but greatly increased by addition of material on the diamond mines & mining in South Africa, including remarks on large stones, also more on diamond elsewhere.

3622. -----1905(1906), 1323-58 Miscellany; gem minerals in Portland Expo of 1905. This is the last chapter contributed by Kunz to this series.

END OF USGS MINERAL RESOURCES CHAPTERS ON GEMSTONES

Beginning of "Precious Stones" Chapters in *The Mineral Industry, Its Statistics, Technology and Trade, in the United States and other Countries. From the earliest times to the end of 1892.* Vol I, edited by Richard P Rothwell, New York, The Scientific Publishing Company, 1893-1931. More or less embodies the same information as corresponding chapters in the preceding.

3623. -----1893, 399-406 Mainly on American gemstones; statistics.

3624. -----1907, vol 15 for 1906, edit Walter Renton Ingalls, and published in New York by Hill Publ Co, 1907, 665-73. Includes an article by Reginald Meeks, 668-73, on precious stones in foreign countries.

3625. -----1908, vol 16 for 1907, 790-812 Miscellany; benitoite; diamonds USA & abroad.

3626. -----1909, vol 17 for 1908, 727-41 Almost all on diamond.

3627. -----1910, vol 18 for 1909 Not seen.

3628. -----1911, vol 19 for 1910, 563-89 Diamond abroad; diamond cutting; ruby & sapphire; beryl; proposed morganite variety; miscellany.

3629. -----1912, vol 20 for 1911, 624-44 Not seen.

3630. -----1913, vol 21 for 1912, 707-36 Diamond trade statistics; pearls, other gemstones.

3631. -----1914, vol 22 for 1913, 621-49 Not seen.

3632. -----1915, vol 23 for 1914, 623-53 Not seen.

3633. -----1916, vol 24 for 1915, 591-613 Not seen.

3634. -----1917, vol 25 for 1916, 608-37 Not seen.

3635. -----1918, vol 26 for 1917, 576-601 Not seen.

3636. -----1919, vol 27 for 1918, 604-28 Not seen.

3637. -----1920, vol 28 for 1919, 584-613 Mostly on the diamond industry, many production statistics from South Africa & elsewhere; pearl fisheries.

3638. -----1921, vol 29 for 1920, 575-606 Not seen.

3639. -----1922, vol 30 for 1921, 554-73 Not seen.

3640. -----1923, vol 31 for 1922, 569-80 Not seen.

3641. -----1924, vol 32 for 1923, 562-86 Mostly on the diamond industry; several other major gemstones; Burmese amber & jade; pearls.

3642. -----1925, vol 33 for 1924, 600-31 Marketing gemstones; diamond industry; industrial diamond; miscellany.

3643. -----1926, vol 34 for 1925, 590-616 Diamond industry & statistics.

3644. -----1927, vol 35 for 1926, 563-91 As above.

3645. -----1928, vol 36 for 1927, 491-513 Almost entirely on diamond industry.

3646. -----1929, vol 37 for 1928, 512-37 As above; the title of the chapter now changes to "Precious and Semi-Precious Stones."

3647. -----1930, vol 38 for 1929, 530-54 Almost all on the diamond industry.

3648. -----1931, vol 39 for 1930, 506-28 As above.

3649. -----1932, vol 40 for 1931, 458-80 Mainly in diamond; the last chapter by Kunz in this publication but actually written by the editor, G A Roush, after Kunz's death in 1932.

END OF PRECIOUS STONES CHAPTERS, MINERAL INDUSTRY

3650. -----1886 Mineralogical notes. *Proc Amer Assoc Adv Sci*, 34, Ann Arbor Mtng, Aug 1885, 237-58; offprinted, 1886. JSL. Contains dyed turquoise from New Mexico; beryls & garnets from Colorado; a remarkable collection of rough diamonds(23 wood engrav of crystals in Tiffany & Co coll).

3651. -----1887 Precious stones in the United States. *Harper's New Monthly Magazine*, vol 76, no 451, 1887, 97-106, col plate, 13 wood engrav. Numerous native gemstones; the Julius Biehn, New York color lithograph plate is said to be the first such color plate issued in this magazine; it depicts rough & cut specimens of tourmaline, garnet, topaz, corundum, hiddenite, pearl, etc, and shows full-size the largest emerald crystal found up to that time in North Carolina(ca 21 cm or 8 in long).

3652. -----1888 Precious stones. *Geological and Natural History Survey of Canada, Report on the Mining & Mineral Statistics of Canada for the Year 1887*, by E Coste... Montreal: Dawson Brothers, 1888, p 565-580. Also in the *Ann Rept* (ns), vol 3, pt 2, 1887-88, 1889, as Part "S" and publ separately in tan printed wrap under the title "Precious Stones, Gems and Decorative Stones in Canada and British America," 16 p. JSL. First report of this kind for Canada; brief notes on sapphire, spinel, topaz, emerald, zircon, tourmaline, garnets, varieties of quartz,

pectolite, epidote, feldspars, obsidian, porphyry, etc. Rare. LC 3-13691.

GEMS AND PRECIOUS STONES OF NORTH AMERICA

3653. -----1890

Gems | And | Precious Stones | Of | North America | A Popular Description | Of Their Occurrence, Value, History, | Archaeology, And Of The Collections In | Which They Exist, Also A Chapter On | Pearls And On Remarkable Foreign | Gems Owned In The United States . . | Illustrated | With Eight Colored Plates And Numerous | Minor Engravings | By | George Frederick Kunz | Gem Expert With Messrs. Tiffany & Co., Special | Agent Of The United States Geological Survey | And Of The Eleventh United States Census, Mem- | Ber Of The Mineralogical Society Of Great | Britain And Ireland, The Imperial Mineralogical | Society Of St.Petersburg, The Société Française | De Minéralogie, Etc. [7 dots] | [rule] | New York | The Scientific Publishing Company | [rule] | MDCCCXC

Title in red & black,

8°: blank f + 336 p + blank f; 8 glossy col litho pls tip-in, each with red lett translucent guard sheet(Pl 5, double-f, fitted with plain separator sheet in the fold with regular printed guard sheet tipped-in ahead); 16 b&w glossy pls tip-in bearing 22 photos, etc + 20 orn head- & tailpieces. Pale blue errata slip. Two-tone cloth: sides tan with vermilion lett, small floral orn; brown cloth spine with gold lett, rules. 27.6 x 19.4 cm(10 7/8 x 7 5/8 in). Uncut. $10.00. LC 8-18806. JSL. The color plates, printed all on one sheet, folded, were sold separately @ $5.00, or framed, $7.00.

Cont: blank f; tp; publ data; tab cont; introd; 16 chs; index; errata slip; blank f.

Kunz's first major work and obviously based on the information that he had gathered via his gemstone chapters as noted above. It is the first systematic and thorough monograph on the subject of gemstones in North America. While Lewis Feuchtwanger's *A Treatise on Gems*, 1838, 4th edit 1872, preceded Kunz, and contained much on American gemstones, its aim was to present a general treatise on gems rather than to solely describe those that occurred on the continent. The data herein, based not only on reports to Kunz but also upon his personal observations in many places remarked upon, are detailed and largely accurate although at times some overenthusiasm may be noted in describing deposits in which gem minerals were found, but not, strictly speaking, in gem quality; these he euphemistically called "mineralogical gems." The text treats groups of species which may or may not be mineralogically related, each group occupying a chapter, save for Chapter 12 which treats pearls, while chapters 13 to 16 discuss gemstones of Canada, Mexico, and Central America, aboriginal lapidary work, and a final chapter of miscellany. Despite its age, this book contains material that remains useful today, certainly for historical reasons, if not for scientific or other reasons. Much of Kunz's data on deposits and products has been revised and updated by J Sinkankas's *Gemstones of North America*, 1959, & vol 2, 1976, which see.

A feature which makes this work attractive to collectors is the series of eight vivid chromolithograph plates which depict native rough and cut gemstones, some examples of which, as the emerald crystal upon Plate 5, are of great historical importance. According to Katherine Morrison McClinton, *The Chromolithographs of Louis Prang*, New York, 1973, p 133, the drawings were prepared by artists of Tiffany & Co (unfortunately unnamed!) under Kunz's supervision and lithographed by the Louis Prang & Company firm in Boston, already famed for their splendid and varied productions. Early issues of these plates were so heavily inked, however, that they tended to stick to the guard sheets, or in the case of Plate 5, the double-leaf beryl plate, to itself and becoming in many instances impossible to separate without damage. Later printings corrected this deficiency but many copies remain defective on this account and a copy with perfect plates is to be treasured highly. This defect, along with the incredibly sleazy materials used in binding, and the bindings themselves, further contribute to disintegrating copies, not to mention use of poor quality acidic text paper in contrast to the still well-preserved, bright paper of the plates.

3654. -----1890, another issue, augmented. Same title, etc, but apparently in response to owners of the first issue, this version contains a list of illustrations inserted between the title-leaf and the table of contents leaf, p [3]; the first gathering therefore contains 7 leaves, the extra leaf, forming p v-vi, tipped-in. The pagination now is blank f + p [1-2] + p [i]- vi + p [3]-336 + blank f, Errata slip on white tissue. JSL.

3655. -----1892, 2nd edit

Gems |...| With Eight Colored Plates And Numerous Engravings | Second Edition With Appendix | By | George Frederick Kunz |...[10 lines of honors, etc, ending with 3 dots]...| [rule] | New York | The Scientific Publishing Company | [rule] | MDCCCXCII [title in red & black]

8°: blank f + [2], 367, [1 blank]p; ill same, binding same. JSL; GS 20-327.

Cont: blank f; 1/2tp; tp; publ data; tab cont; introd; pref to 2nd edit; 16 chs; index; append I & II; blank p.

Inexplicably, but perhaps to avoid added hand-labor costs required by insertion in the first gathering, the list of illustrations is again omitted. Appendix I provides added textual matter; Appendix II describes outstanding specimens donated to the collections of Harvard University Mineralogical Museum. About 100 sets of sheets for this edition were purchased by W H Lowdermilk & Co, of Washington, DC, many years ago, and from time to time bound up in red buckram, gilt, with simple title & author statement on the spine(pers comm). The bits & pieces of this stock when bound up, provided copies that bore the first edition dates on the titlepages and a list of illustrations for the second issue of that work as noted above, but also with the appendices that were issued only with the second edition. The paper on these Lowdermilk copies is often decomposed. Captions to color pls now neatly lettered upon the plates themselves and plain paper guards provided.

3656. -----1968, paperback edit

Gems | And | Precious Stones | Of | North Amcrica | A Popular Description Of Their Occurrence, Value, | History, Archaeology, And Of The Collections In Which | They Exist,

Also A Chapter On Pearls And On Remark- | Able Foreign Gems Owned In The United States | By | George Frederick Kunz | A Reprint Of The Second Edition (With Appendix) | With A New Introduction By | Edward Olsen | Curator of Mineralogy | Field Museum of Natural History, Chicago | Dover Publications, Inc., New York [1968]

P [IV]: "An unabridged and corrected republication... the introduction ... and the List of Plates were specially prepared for this Dover Edition."

16°: blank f + XII p + [2], 367, [1 blank]p; 8 col pls on 6 glossy f bound-in each fig with own caption; the color pl gathering not includ in pag; 20 fig. Black, plasticized paper wrap, col ill on cover & pale red-orange lett; white lett spine; vita & resume back cover. Inside covers with adverts. 23.4 x 15.5 cm(9 1/4 x 6 1/8 in). Cut. $3.50. LC 67-26486, ISBN 0-486-21855-4.

Cont: blank f; 1/2tp; tp; publ data; tab cont; pls list; text tp; introd this edit; introd; pref to 2nd edit; text; index; appends; blank p.

The new introduction provides biographical notes on Kunz and some discussion of his writings, Titlep & prelims reset in part; color pls much less vivid. An unknown number of this edition were bound in pale green library buckram with photo & title, in red & black, on front cover; black spine title, According to Dover, this work was done by a firm in Massachusetts without arrangement with Dover, hence it is not a "regular" binding. Rev *Min Mag*, 37, 286, 1969, 305. I have seen reference to another reprint by publisher Peter Smith, ISBN 0-8446-2414-4, @ $9.00, but have not seen the book.

END OF GEMS AND PRECIOUS STONES

NATAL STONES SERIES

3657. -----1892 Natal Stones, Sentiments and Superstitions, etc, Tiffany & Co., Jewelers & Silversmiths, Union Square, New York. I have not found a copy of this edition, nor the 2nd & 3rd.

3658. -----1894

Natal Stones | Sentiments And Superstitions | Connected With | Precious Stones | By | George Frederick Kunz | (Fourth Edition) | [orn] | Tiffany & Co. | Jewelers and Silversmiths | Union Square, New York [1894]

Centersewn: blank f + 30 p; dk blue paper wrap, silver title on cover. Heavy, hand-laid paper, deckled. 15.8 x 12 cm(6 1/4 x 4 5/8 in). Uncut.

Natal stones, with diagram of the High Priest's breastplate; table of birthstones & their sentiments; sentiments of the months; mottoes formed from stones; stones of the several United States; appendix of numerous gemstones, unmounted, available from Tiffany's and including many rare and unusual species as rutile, phenakite, etc.

3659. -----1904, 13th edit Reprint of foregoing, but with dull black paper wrap, gold lett on cover; machine-made paper simulating handlaid. 16 x 12.7 cm (6 1/4 x 5 in). Uncut. 19,000 copies.

3660. -----1907, 17th edit

Natal Stones | Sentiments And Superstitions | Associated with Precious Stones | By George Frederick Kunz | [rule] | Seventeenth Edition | [rule] | Tiffany & Co. | Diamond, Pearl And Precious Gem | Merchants | Fifth Avenue and 37th Street, New York [1907]

Centersewn with white silk cord: 34, [1]p, 15.5 x 12 cm(6 1/8 x 4 3/4 in). Uncut. Dull black wrap; silver cover title. 26,000 copies. Also in full bright red leather, edges blind-ruled; pink, patterned endp; teg. 14.6 x 11.4 cm(5 3/4 x 4 1/2 in). Cut.

Superstitions; the breastplate; natal stones of various nations and periods; American natal stones; sentiments of same and of the months; acrostics from stones; state stones; list of gemstones for sale.

3661. -----1908, 18th edit Same title but with new edition substituted. 8°: 35p, 1/3 black morocco leather, pale gray & blue marbled sides; same marbled endp. Gold spine title. 15.2 x 12 cm(6 x 4 3/8 in). Uncut. Teg. 28,500 copies.

No tab cont; text begins on p 4 but "Natal Stones - American" moved up to reverse of titleleaf, List of company publs on p 35. Earliest hard cover edition(?). A 12-518.

3662. -----1910, 20th edit Same, in leather, dk blue marbled sides; final leaf blank; pagination stops at p 34. 34,500 copies,

3663. -----1915, 22nd edit Black paper wrap, pale gray lett on cover; contents same but on p [35] appears an advert for Tiffany & Co. *Blue Book*. 44,500.

3664. -----1923, 26th edit

Natal Stones | Birth Stones | Sentiments And Superstitions | Associated with Precious Stones | George Frederick Kunz | Ph.D., Sc.D., A.M. | [rule] | Twenty-Sixth Edition | [rule] | Tiffany & Co. | Jewelers | Silversmiths | Fifth Avenue and 37th Street, New York [1923]

4°: blank heavy paper f + light paper blank f + p [4]-40. Black leather, dk green, gold & white mottled paper sides; similar endp. 15.2 x 12 cm(6 x 4 5/8 in). Teg, fe uncut. 52,750 copies.

No tab cont; natal or birth stones; wedding anniversary gems & metals; American natal stones; other countries natal stones; zodiacal and sentimental stones; sentiments by species & varieties; sentiments of the months; acrostics; state stones; Tiffany stone collections; unmounted stones.

3665. -----1928, 28th edit

Birth Stones | Natal Stones |...| Twenty-Eighth Edition |... [1928]

4°: [2 blank]f, 29 p; blanks not counted in pag. Similar binding, size, etc. 55,250 copies.

3666. -----1929, 29th edit Same title & text; centerstapled & also with dk green cord; dull black paper wrap, pale gray cover title. 16 x 12.3 cm (6 1/4 x 4 3/4 in). 57, 750 copies.

3667. -----1931, 30th edit Dk blue leather, similar marbled paper. 58,000 copies. Last edition I have seen(Kunz died next year).

END OF NATAL STONES SERIES

3668. -----1894 Folk-lore of precious stones. *Mem Internat Congress Anthropol*, edited by C.Staniland Wake, Chicago: The Schulte Publishing Company, 1894, p 267-81. Theme: persistence of popular beliefs in mystic, magic, medicinal properties of objects, among them, those made from stones & gemstones; notes older & modern works treating this subject; most of article devoted to a catalog of objects exhibited by Kunz for the New York Branch of the American Folk-Lore Society in the Department of Ethnology portion of the exhibition conducted simultaneously with the Congress. Also separately issued in printed wrap, and in a cloth-bound book, 8°, 375 pages of the *Memoirs*.

3669. -----1894 On pearls, and the utilization and application of the shells in which they are found in the ornamental arts, as shown at the World's Columbian Exposition. *US Fish Commission Bull* XIII for 1893, p 439-57, Pls 18-41(Pl 18, pearls in color). Washington, D C, 1894. In original cloth volume(black), but also issued in gray paper printed wrap. 27 x 18.7 cm(10 5/8 x 7 3/8 in). Cut. USGS Kunz Coll, GS 34-883; JSL. Dcscribes the exhibits of pearls, nacre, and shellfish of various species which have been used ornamentally in jewelry, objects of art & fantasy, furniture, musical instruments, decorative panels, altars, ikons, cameos, etc, and including objects in which distorted pearls or shells have been utilized. The plates show many such pieces while the color plate depicts freshwater pearls from Tennessee, gray and black pearls from Lower (Baja) California, and clam pearls from Long Island Sound. LC 23-5980 & LC 9-35239.

3670. -----1898 A brief history of the gathering of fresh-water pearls in the United States. *US Fish Comm Bull* XVI for 1897, 1898, p 321-30; also issued in gray printed wrap. Also appeared in *Proc & Papers, Nat Fishery Congress*, Tampa, Florida, Jan 19-24, 1898, p 321-30; the latter were issued separately in a bright blue cloth volume, following the same pagination in the original cloth volume. A short, useful survey, written "for the purpose of calling the attention of the delegates to the latent resources, in many parts of the country, in pearls and pearl-bearing shells." Discusses early historical knowledge of the pearl, notes records of finds and values, habitat of the shellfish, the occupation of pearl-hunting, methods of removing pearls, treatment of pearls prior to sale, uses of shells, enemies of the mollusk, extermination and replenishment of mollusks.

3671. -----1898 The fresh-water pearls and pearl fisheries of the United States, *US Fish Comm Bull* XVII for 1897, 1898, p 273-426, Pl I-XXII(one in col as front); 1 fig, 3 tabs. Also issued separately in printed gray wrap.

Cont: tp, col pl; text tp; text(Pls II-IX inserted; remainder at end).

An excellent, authoritative work based upon data and statistics gathered by the Fish Commission and by the author. Treats origin, nature and value of pearls, early history of pearling on the continent, pearl fisheries of the United States in recent years, report of the investigation by the Commission, frauds, the mussel as food, pearls and nacre in ornament and nacre in buttons. The plates depict the mussels, ornamental applications of pearls, button-making, and most importantly a large variety of pearls in all forms, colors, and sizes(Pls X-XXII). The eminent American naturalist, Charles Torrey Simpson, stated of this work, "containing an immense amount of useful and accurate information", *Bull US Fish Comm* 18 for 1898, p 279. This work represents the culmination of Kunz's investigations into the freshwater pearls of the United States which formed the basis, in part, for the gigantic work on pearls which he co-authored with Stevenson(see below).

3672. -----1898 Geography of precious stones. *J Franklin Inst*, Phila, 145, 1898, 24-35, 133-43; issued separately, centerstapled: 22 p, 23 x 14.8 cm(9 x 5 7/8 in). Considers geographical relations of gemstone deposits in connection with promotion of international trade from antiquity to the present; cites famous deposits, exploitation, influence of same on welfare of countries involved. Much interesting information on individual gemstones and their mining.

3673. -----1898 A trip to Russia and the Ural Mountains. *J Franklin Inst*, Phila 146, 1898, p 103-214; also separate issue, centerstapled, 37 p; sketch map in text. Highly entertaining account of travels, often primitive in nature, in SE Russia and into the Ural Mountains; much on customs, towns, villages, cities, roads, and of course on mines, mining, and productions of gemstones.

3674. -----1900

The Production Of | Precious Stones | In The United States | By | George Frederick Kunz M.A. | Officier D'Académie, Membre Hon.Cor.Chambre Syndicale | Des Négociants En Diamants Et Pierres Précieuses, | Special Agent In Charge Of Precious Stones | U.S.Geological Survey, Etc. | [rule] | Reprinted From | The | 1895-1896 1897-1898 1899 | Reports Of The Department Of Mining Statistics | United States Geological Survey | Washington | 1900

8°: [1]f + col pl preceded by leaf of explan marked p 601 + 595-605 + wrap leaf, titleleaf & 895-926 + wrap leaf, titleleaf, tab cont leaf, & 5-39 + wrap leaf, titleleaf, tab cont leaf, & 5-22 + blank f + wrap leaf, titleleaf, tab cont leaf & 557-600 + wrap leaf, titleleaf, tab cont leaf & 5-48 + wrap leaf, title leaf, & 669-677(the last group of leaves folded inward to conform in size to previous f). A blank f at each end of contents. The color plate & explan are deliberately misbound. 1/4 red morocco, marbled sides, marbled endp; text edges spattered. 28.2 x 19.2 cm(11 1/8 x 7 1/2 in). Cut, Marker ribbon. Paper other than text browning. JSL. LC 3-13692.

These are extracts of the precious stones chapters from the large size 16th to 21st *Annual Reports of the Geological Survey*, plus the final chapter which is extracted from the Report on Mineral Industries in the United States, *Eleventh Census*, 1890.

3675. -----1902 Gems and precious stones of Mexico. *Trans AIME*, 32, 1901, New York, 1902, p 55-93. Also publ separately, 39 p, in cloth; nearly exact reprinting in *Comptes Rendus Internat Geol Congress*, Mexico City, 1907, which see. Pieces together numerous bits of information uncovered in the literature on Mexican gemstones, among them garnet, topaz, turquoise, quartz gemstones, opal(a good discussion), chalchihuitl-

(jade-like stones of the Precolumbian inhabitants, and described in an extended essay), obsidian, pyrite, calcite onyx, and amber. Much archeological information is included. Up to its date, the only significant paper published on this Mexican resource. The paper is discussed on p 568-9 of the above journal. LC 33-37061.

3676. -----1903

Catalogue | De La Collection | De | Pierres Précieuses | Pierres De Fantaisie | Pierres D'Ornement | A L'État Naturel Et Taillées | Toutes Originaires D'Amérique | Exposées Dans La Section Minière Des États-Unis | Exposition Pan-Américaine De Buffalo 1901 | Offerte Au | Muséum D'Histoire Naturelle De Paris | Par | M.James Pierpont Morgan. | Labratoire De Minéralogie | Muséum D'Histoire Naturelle | Paris | [rule] | 1903

8°: 32 p; print wrap. 22 x 14 cm(8 5/8 x 5 1/2 in). Also in dk green cloth, gold cover title with date of 1901; gray-green endp. 27.2 x 18.7 cm(10 3/4 x 7 3/8 in). Cut. JSL.

Cont: tp; pref by Kunz; note on organization of the coll; catalog.

This collection of cut & rough gemstones was originally assembled by Kunz for exhibition at Buffalo in 1901, and later in Paris by which time it had been bought from Tiffany's by J P Morgan (1837-1913), eminent US financier, and through an arrangement with Alfred Lacroix(1863-1948), the collection was exhibited in the Natural History Museum in Paris. Later the collection was part of the material donated by Morgan to the American Museum of Natural History (Morgan Hall), New York City. See also a similar catalog described under TIFFANY & CO, 1900.

3677. -----1903, with BASKERVILLE, CHARLES(1870-1922) The action of radium, actinium, Roentgen rays and ultra-violet light on minerals and gems. *Science*, ns, 18, 468, 1903, 769-83. Gemstones treated: willemite, hyalite opal, fluorite, topaz, kunzite, quartz, opal, tourmaline, beryl, corundum, and diamond. JSL. Baskerville grad U Virginia 1890; PhD North Carolina U 1894; prof chem City Coll NY from 1904; inventor, author; discovered carolinium, berzelium.

3678. -----1904(?)

Price 10 Cents [underlined] | The Metropolitan Museum Of Art | [rule] | Hand-Book No.10 | [orn rule] | The | Heber R.Bishop | Collection Of Jade | And Other | Hard Stones. | [orn rule] | Published By | The Metropolitan Museum Of Art. [New York; nd, ca 1904]

Edgestapled: 104 p; pale gray wrap, cover title. 21.8 x 14 cm(8 1/2 x 5 1/2 in). Cut. USGS Kunz Coll; JSL.

Kunz not credited as author but in a letter by Luigi Cesnola, then director of the museum, dtd Jan 20, 1904, and present in the copy of this catalog in the USGS Library, Cesnola accepted Kunz's offer to prepare same, and indicated that the room to house the Bishop Collection would be finished near the end of February 1904.

GEMSTONES OF CALIFORNIA SERIES

3679. -----1905

Bulletin No.37. San Francisco, June 1905.[double-rule underline] | Gems, Jewelers' Materials, [underline] | and Ornamental Stones of[underline] | California [5 orns][underline] | Issued by the | California State Mining Bureau | Ferry Building, San Francisco. | [rule] | Lewis E.Aubury, State Mineralogist. | [logo] | Sacramento: | W.W.Shannon [7 dashes] Superintendent State Printing. | 1905.

8°: 171, [1 blank]p; fold relief map of state tip-in ahead of front pl, the latter(facing title) being a glossy b&w photo of a kunzite crystal self-print after X-ray irradiation; 45 text photos; 4 photos in append. Black, pebbled cloth, two horizontal blind bands, blind logo back cover; gilt title front cover & spine. 22.8 x 14.8 cm(9 x 5 7/8 in). Cut. Also in pale blue print wrap, title on cover in ruled frames; also in printed cardbd covers. Paper issue $.45. JSL. LC 7-2309.

Cont: fold map; front; tp; ltr of transmittal; tab cont; ill list; text; gem mines(121-55); append; index; blank p.

A systematic description of the gemstones & ornamental materials, with properties, chemical composition, varieties, uses, and where found. The introductory matter discusses the state gemstones generally, and furnishes some information on state geology, the history of gem mining in California, and acknowledges assistance. The section on gem mines is largely a detailed description of the pegmatite deposits of Riverside & San Diego counties, and is particularly valuable because it is firsthand information, based on visits made by Kunz and with photographs that probably were taken by him or under his direction. The historial facts are particularly valuable and form much of the basic reference material upon which other authors elaborated in their writings on these mines. Kunz's name does not appear upon the titlepage, and is only referred to in the letter of transmittal, a matter of considerable annoyance to him which he attempted to rectify as shown below. Aubury, the State Mineralogist, used the term "compiled" in reference to Kunz's data, when in fact much of it is original work never before published. Aubury's lamentable practise in this and other works issued under his tenure of placing his name in a prominent position upon the titlepage and relegating the true author(s) to another page, sometimes resulted in his being listed as author in bibliographies, eg, as in the present example, *Econ Geol*, 1, 2, 1905, p 198.

3680. -----1905, 2nd edit

... | Gems, Jewelers' Materials, |...|Lewis E.Aubury, State Mineralogist. | Second Edition. |...| 1905.

Edgestapled or sewn 8°: identical except for the addition of glossy color plates, tipped-in: Pl 5, p 56; Pl 1 at p 81; Pl 3 at p 88; Pl 2 at p 92; there is no plate 4. Tan print wrap, cover title in ruled frames. 22.8 x 14.9 cm(9 x 5 7/8 in). Cut. Also in greenish-blue cloth, title on cover. JSL.

No changes other than addition of the color plates, Pl 5 being a bi-color tourmaline crystal, the others of kunzite crystals, one showing an electrical discharge through the crystal with luminescence display, while another plate shows a large Pala Chief Mine crystal with cut gems (this plate first publ in *Amer J Sci*. 16, 1903, in a Kunz article, which see). This bulletin, sans wraps, was also issued in a single hardbound volume with Bull 36, Gold dredging in California, 1905, 120 p, ill, and Bull 38, The structural and industrial minerals of California, 1906, 412 p, ill, also sans wraps, and the three bound up in bright blue cloth, gold titles on front cover & spine, with blind stamped ornamental bands & State Seal; 22.4 x 14.6 cm(8 3/4 x 5 3/4 in). Cut.There are no preliminaries and the only composite title appears on the covers. Apparently this version is very scarce.

3681. -----1905, 2nd edit special issue Title identical but after the wording of the title proper, Kunz had caused to be inserted, in pink or "kunzite" color ink, the words "By | George Frederick Kunz, Ph.D." Furthermore, this special issue is bound in purplish-pink, vertically ribbed cloth, gold title with author's name(!) on cover & spine. This correction is believed to have been done at Kunz's private expense, including not only the overprinting of the titlepages but also the non-standard binding; possibly such copies were used as presentations because they are rare, compared to the ordinary issues.

3682. -----1905, another special issue

...| [double-rule underline] | Semi-Precious Stones, Gems | Jewelers' Materials And | Ornamental Stones | Of California | By | George Frederick Kunz, PH.D., SC.D. | Issued By The | California State Mining Bureau | Ferry Building, San Francisco | [rulel | Second Edition | [rule] | Sacramento | State Printing Department | 1905 [title enclosed in single-rule frame]

Original titlep canceled; the title is now printed entirely black.This version completed Kunz's campaign to rectify omission of his name as author. The cloth is similar to the previous issue but somewhat more purple than pink, and again, it is believed that Kunz not only had the titlepage printed at his expense but also had the binding made, the latter again with gold title and author's name on cover & spine. Extracts from this work were published in *Lap J*, 2, 4, 1948, 248-59, passim, and no 6, 1949, 408-29, passim. JSL.

END OF GEMSTONES OF CALIFORNIA SERIES

3683. -----1906 Precious stones [chapter] in *The Making of America*, Robert Marion La Follette, Editor-in-Chief, vol 6, Mining and Metallurgy, Chicago: The Making of America Co, [1906], 324-47. JSL. Brief summaries of important gemstones found in America: diamond, corundum, beryl, garnet, tourmaline, opal, spodumene, turquoise, variscite, others.

3684. -----1907

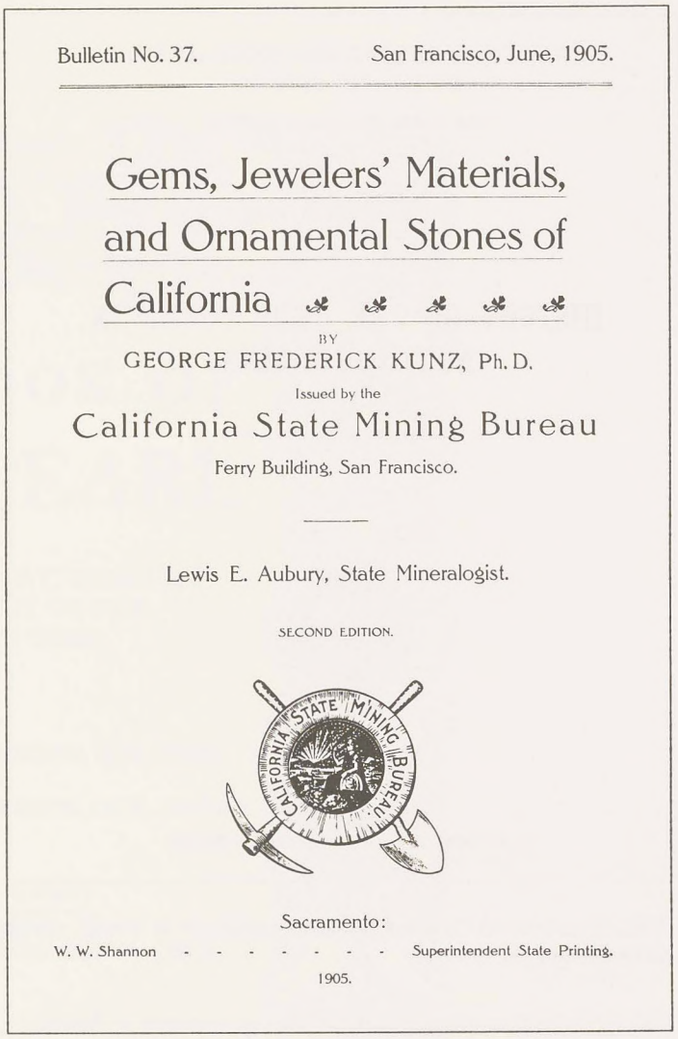
North Carolina Geological And | Economic Survey | Joseph Hyde Pratt, State Geologist | [rule] | Bulletin No.12 | [rule] |History Of The Gems Found In | North Carolina | By | George Frederick Kunz, Ph.D. | [logo] | Raleigh | E.M.Uzzell & Co., Public Printers And Binders | 1907

8°: xvii, 60, [2 blank]p; 15 tip-in glossy pls(4 col litho pls with tissues; remainder photos). Blue-gray paper wrap, title on cover but with crossed picks instead of state seal; spine title. 25.9 x 18 cm(10 1/8 x 7 1/8 in). Cut. USGS GS 8-55. JSL. Also in official dk red ribbed cloth, gold spine & cover titles.

As was his custom, Kunz obtained copies of this work and had them bound in dk blue cloth, gold cover & spine titles. 25.5 x 17.7 cm(10 x 7 in). Cut. These are rare.

Cont: 1/2tp; personnel list; ltr of transmittal; tab cont; ill list; pref by Pratt; introd; 8 chs; publ list; blank f.

The first thorough exposition of the gemstones, beginning with a brief historical sketch of gem mining and followed by separate chapters on the diamond & corundum gemstones, and others of the granitic pegmatites as quartz, beryl and spodumene, also garnet, rutile, zircon and octahedrite, with the last chapter treating gemstones of lesser importance. Much detail appears in all chapters on the geology & mineralogy of the deposits, unusually large or fine specimens obtained, anecdotes of historical nature, and production statistics. The photographs are of very good quality but it is the richly colored lithographs that make this work as highly prized for them as for the text. They depict rough and cut corundums, beryls, especially a large and fine emerald crystal, hiddenite, diamond, quartz gems, kyanite and garnet. Pl 3, facing p 8, depicts what was then the largest emerald crystal mined in North Carolina; it is the same



Bulletin No. 37. San Francisco, June, 1905.

Gems, Jewelers' Materials, and Ornamental Stones of California

BY

GEORGE FREDERICK KUNZ, Ph.D.

Issued by the

California State Mining Bureau

Ferry Building, San Francisco.

Lewis E. Aubury, State Mineralogist.

SECOND EDITION.

Sacramento:

W. W. Shannon - - - - - - - - Superintendent State Printing.

1905.

3681. The rare special issue of Kunz's treatise on the gem materials of California in which he adds his name, in lilac ink, to the titlepage and had the book bound in lilac("kunzite") colored cloth

that was stolen in 1950 from the American Museum of Natural History in New York and never recovered. Also upon this plate, pasted in its upper right-hand corner, is a small rectangle of a diamond crystal from Dysortville, while the plate numeral of "III" is obviously an overprint covering an erased area which bore some other number, now unknown. The plates are by Taber Prang Art Company; for further information on this company, see *Gems and Precious Stones of North America*, 1890, above.

3685.-----1907

New Observations | On The | Occurrences of Precious Stones | of Archaeological Interest | In America | By | George Frederick Kunz | Extrait Des Mémoires Et Délibérations Du XV^{e} Congrès Des Américanistes | Tenu A Québec, Du 10 Au 15 Septembre 1906 | [orn] | Quebec | Dussault & Proulx, Printers | [rule] | 1907

Centerstapled: 23 p(first 2 p blank), Stiff pale gray print wrap, cover title. 26.9 x 17.9 cm(10 5/8 x 7 in). Uncut. JSL.

Notes on: turquoise in Mexico, South America, at Old Cerillos, New Mexico, and in E United States; the Heber R

NORTH CAROLINA GEOLOGICAL AND ECONOMIC SURVEY

JOSEPH HYDE PRATT, STATE GEOLOGIST

BULLETIN NO. 12

HISTORY OF THE GEMS FOUND IN NORTH CAROLINA

BY
GEORGE FREDERICK KUNZ, PH.D.

RALEIGH
E. M. UZZELL & CO., PUBLIC PRINTERS AND BINDERS
1907

3684. Kunz's North Carolina gemstones notable for its stongly-colored chromolithographs by Prang

Bishop Collection of jades and his catalog; nephrite in Alaska, British Columbia; jadeite in Guatemala, South America, Mexico, Siberia; beryl in North Carolina; agatized wood in Arizona; the Borgia Chaldean agate axe; obsidian in Mexico; amber of Santo Domingo; ancient amber jewelry; catlinite or pipestone.

3686.-----1907 The printed catalogue of the Heber R Bishop collection of jade. *Comptes Rendus, 10e Sess, Internat Geol Congr, Mexico*, 1906, 1907, 253-70. Not seen; an article with similar title appears in a supplement to the Bull *Metro Mus Art*, New York, May 1906, "Occasional Notes No.2," [12]p; ill.

3687.----1907 Gems and precious stones of Mexico. ibid, 1029-80. Somewhat enlarged version of similar article by Kunz in *Trans AIME*, 1901, 1902, which see above. Adds material to turquoise & opal; includes description of the enormous 2-vols set of Heber R Bishop's *Investigations and Studies in Jade*, which see. JSL.

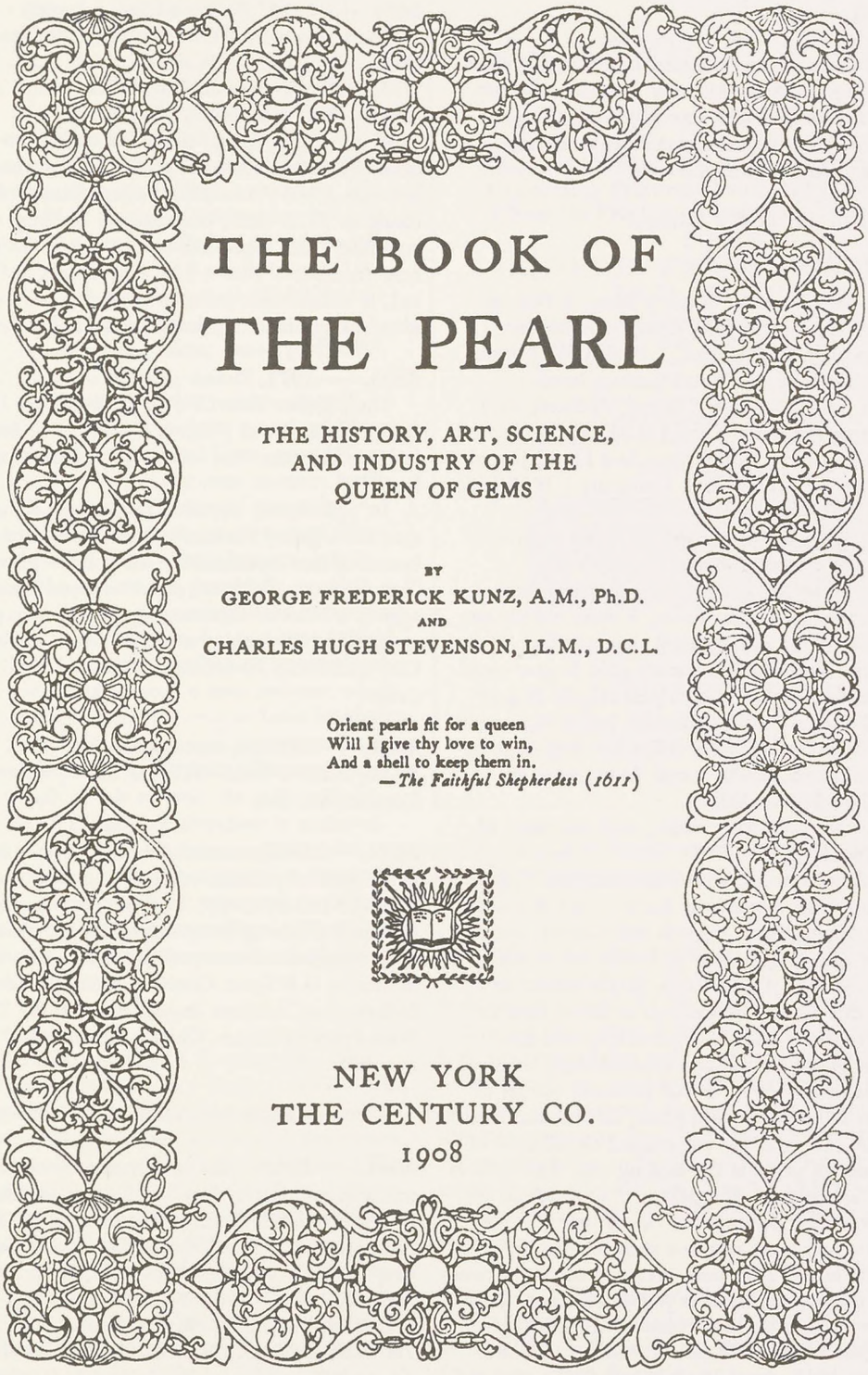
3688.----1907, above published separately
Gems | And | Precious Stones Of Mexico | By | George Frederick Kunz | Ph.D., A.M., New York City | [logo] | Mexico | Imprenta Y Fototipia De La Secretaria De Fomento | Callejon de Betlemitas num.8 | [rule] | 1907

8°, edgesewn: 54 p. Dk green ribbed cloth, gold title over & spine. 26.9 x 19.2 cm(10 5/8 x 7 1/2 in). Cut. Privately published for presentation by Kunz. JSL.LC 33-37061.

3689. -----1907 The diamond and moissanite - natural, meteoric and artificial. *American Electrochemical Society*, 1907, 39-63. Not seen; from Gill, 45.

3690. -----1908, with STEVENSON, CHARLES HUGH(1869-)
The Book Of | The Pearl | The History, Art, Science, | And Industry Of The | Queen Of Gems | By | George Frederick Kunz, A.M., Ph.D. | And | Charles Hugh Stevenson, LL.M., D.C.L. | Orient pearls fit for a queen... - The Faithful Shepherdess (1611) | [orn] | New York | The Century Co. | 1908
Entire title & small square orn enclosed in pale green dec borders.
8°: 12 blank], xix, [1 blank], 548, [2 blank]p. Col front pl tip-in with tissue bearing red lett; 24 col ill on 16 glossy f tip-in with red lett tissues except one tissue without letterpress and one plate without tissue; 175 b&w photos on 79 tip-in glossy f; 3 photos on 3 tip-in fold glossy f; 3 gravure pls in dk sepia on 3 tip-in f with red-lett tissues; 5 text fig; 5 text maps; 4 text facsimiles(one spread over 2 pages). Pale turquoise-blue cloth, elaborate gold floral decoration overall on front, punctuated with cream-color "pearls" and with a central area of solid gilt bearing title in blue; spine similar but lacks pearls. Dec dj. 28.6 x 20 cm(11 5/16 x 7 7/8 in). Teg; uncut; in white pasteboard box. JSL. LC 8-29321.
Cont: blank f; 1/2tp; tp; publ data; dedic; tab cont; ill list; maps list; introd; 17 chs; biblio(over 400 entries); index; blank f.
This beautiful example of modern book design, executed in high quality materials is prized not only for the enormous amount of reliable information that it contains, indeed still unmatched in any work since, but also for the large number of high quality illustrations in color and in black-and-white. The lavish use of gilding on the binding imparts a particularly opulent appearance. The text covers the entire span of ancient to modern knowledge of the pearl, its host, formation, the natural history of the several shellfish, salt- and fresh-water, methods of fishing, preparation of pearls, marketing, fashion, lore, and many other topics directly or indirectly related to the central theme. Scarcely any aspect is neglected in this truly monumental work which remains indispensible both for the student interested in the strictly scientific aspects and the one interested in the sociological/ cultural aspects. There is a very large bibliography with all important works in any language brought together to form a still useful place for the commencement of a literature search on pearl. While well-made, and consequently somewhat costly for the time, the popularity of the book was instantaneous, and a number of reprintings had to be resorted to satisfy demand. In general, these closely resemble the first issue but the "pearls" on the cover are omitted, the top edge is not gilt, and the fore and bottom edges are cut but not smoothly. The use of slightly thicker paper caused thickening of the volume, from ca 5.7 cm to ca 6.2 cm.

3691 -----1908, London edit
The Book Of | The Pearl |...| London | Macmillan & Co. Ltd. | 1908 Identical save for the binding: cream buckram,



3690. One of the most beautiful books published in the United States; the titlepage frame is printed in pale greenish turquoise ink

ornate gold floral pattern, with elliptical center bearing title; similar spine decoration; dj repeats cover in medium red on white. The boards are slightly thicker. Much scarcer than the New York edition. JSL.

3692. -----1909 Precious stones [chapter] in *Business Administration: Text Prepared By 400 of the Foremost Educators, Business and Professional Men in America*. Chicago: DeBower Chapline Company, [1909], p 324-47. JSL. Short summary of United States gemstones, with some production data.

CURIOUS LORE SERIES

3693. -----1913

The Curious Lore of | Precious Stones | Being A Description Of Their Senti- | Ments And Folk Lore, Superstitions, | Symbolism, Mysticism, Use In Medicine, | Protection, Prevention, Religion, And | Divination, Crystal Gazing, Birth- | Stones, Lucky Stones And Talismans, | Astral, Zodiacal, And Planetary | By | George Frederick Kunz | A.M., Ph.D., D.Sc. | With 86 Illustrations In Color, Doubletone And Line | [logo] | Philadelphia & London | J.B.Lippincott Company | 1913 [title in red & black]

Title in orn frame; leaf wreaths at top; publ data separated from title and author by a band of horizontal orn rule.

8°: [2], xiv, 406, [2 blank]p; col pl of phenomenal gems front on glossy paper tip-in with lett tissue; 5 other col pls(one with lett tissue), 43 b&w pls, all on glossy paper, tip-ins; 24 fig. Blue cloth, pale grayish-blue lett with square gold & gray panel of gold links, with scarabs, surrounding a pair of gold & gray jewels linked by gold chains. Pale grayish-blue lett & small gold jewel on spine. 22.2 x 16.8 cm(8 3/4 x 6 5/8 in). Teg, fe & be untrimmed, partly unopened. $5.00, boxed $6.00, later increased to $8.50. LC 13-26431. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; ill lists; 11 chs; index; blank f.

An encyclopedic, durable work, whose contents are fairly summarized by the sub-title. Apparently Kunz meant this work and its companion volume, *Magic of Jewels and Charms*, see below, to be the ultimate compilations of everything worth knowing on the curious lore of gemstones, and in justice to his effort, it can be said that no works compare to them, even to this day. The subjects treated include superstitions and their sources, gemstones as talismans and amulets(including engraved gems), ominous & luminous gems, crystal balls and the art of scrying, religious uses of gems, Biblical gems, birthstones, foundation stones, and the like, plus the astrological significance of gemstones and the uses of gems in the healing arts. The work is richly detailed, well-documented, but perhaps too much so because it is not easy to find information on one subject in a single place, and often one must seek out such matter by frequent reference to the index. This work became popular at once and was reprinted a number of times in similar bindings. The early printing history appears on the reverse of the titlepage of the Halcyon House edition of 1938 below, and is as follows: November 1913, May 1915, April 1917, March 1922, December 1926, and December 1930. The Halcyon House issue is called the 7th printing. These printings omit the date on titlepages and the final printing in this series employs white ink on the cover. Cheaper, thicker paper is typical and the volumes thicker also, eg, 3.8 cm in the first, 5.3 cm in the 6th printing. Compared to its companion lore volume, *Curious Lore* is much more the common.

3694. -----1938, Halcyon House reprint

The Curious Lore Of | Precious | Stones |...[7 lines]...| [rule] | By | George Frederick Kunz, A.M., Ph.D., D.Sc. | With 86 Illustrations In Color, Doubletone And Line | [rule] | [logo] | Halcyon House: New York

8°: same pag, includ blank f at end; front pl now with captions printed on the plate instead of tissue(omitted); col pl between p 106-7 treated in same manner; other illust unchanged. Black cloth, blind lett on cover; gold lett, rules & orn on spine; blind logo back cover. Col dj, cut gems on front; resume, adverts. 21.6 x 14.7 cm(8 1/2 x 5 3/4 in). Te stained red; fe untrimmed; pale tan endp. JSL. Title reset, otherwise identical; apparently printed from same plates.

3695. -----1971, Dover reprint

The Curious Lore Of |...| By | George Frederick Kunz | A.M., Ph.D., D.Sc. | Dover Publications, Inc. | New York [title in b&w but otherwise identical to original; omits illust note & logo]

16°: [2 blank], xiv, 406, [2 blank], [15 advert]p; all 6 col pls now on 4 glossy f bound-in between p 40-41; doubletones also bound-in and repositioned; col & b&w pls not includ in pag. Text fig same. Thick col paper wrap, col facet gem on cover against a scene of diamond digging in deep pit; resume back cover; publ bks inside covers. 21.5 x 13,6 cm(8 1/2 x 5 3/8 in). Cut. $4.50. LC 79-156815; ISBN 0-486-22227-6. JSL. Text same.

3696. -----1972(?), another reprint Publ by Peter Smith @ $9.00; ISBN 0-8446- 0173-X; and by Constable & Co, Ltd, London; not seen.

3697. -----1985, extracts from, Planetary influences and therapeutic uses of precious stones by George Frederick Kunz. ISBN 0-89540-153-3; 63 pp; 5 x 8 in; paperback; $4.50. Published by Sun Publishing Company, Santa Fe, New Mexico, 1987. "The material... is excerpted from The Curious Lore of Precious Stones by G.F.Kunz. Contents include: Planetary and Astral Influences of Precious Stones; and On the Therapeutic Use of Semi-Precious Stones. Charts. Illustrations;" from a sales flyer; not seen.

END OF CURIOUS LORE SERIES

3698. -----1913 The new international diamond carat of 200 milligrams (adopted July 1, 1913, in the United States) by George Frederick Kunz... First edition. 1913. [New York: American Institute of Mining Engineers.] Separate, in print wrap, p [1225]-1245; tabs, 1 fold, 23 cm. "A paper read before the ... Institute... at the New York Meeting, February, 1913, and at the Butte Meeting, August, 1913." Preprint from *Trans*, 47, 748-709, 1913. USGS Kunz Coll, GS 34-686. Also reprinted in *Sci Amer Suppl*, 76, no 1962, Aug 9, 1913, 82-3, no 1963, Aug 16, 98-9. JSL. Interesting historical account of the traditional carat, probable derivation from more or less uniform weights of certain Mediterranean leguminous seeds, spread and adoption in many lands, confusion due to non-standardization, problems of conversion to uniform metric carat.

3699. -----1915

The Magic of Jewels | and Charms | By | George Frederick Kunz | A.M., Ph.D., D.Sc. | With 90 Illustrations In Color, Doubletones and Line | [logo] | Philadelphia & London | J.B.Lippincott Company | 1915 [title in red & black, like that of Curious Lore]

8°: xv, 422, [2 blank]p; col front pl with plain tissue tip-in; 7 other col pls tip-in (pl facing p 242 with plain tissue bearing lett; pl facing p 334 with plain tissue; other pls sans tissues); 50 doubletones on 47 tip-in glossy f; 30 fig(fig facing 374 is fold facsimile, tip-in, part tinted). Blue cloth, like *Curious Lore*, but with armillary sphere in gold & pale grayish-blue, nearly white, on cover with pale grayish-blue lett; similar lett on spine with a small scarab, stars, and arrows. 22.2 x 16.6 cm(8 3/4 x 6 1/2 in). Teg, fe & be untrimmed; fe part unopened, $5.00, boxed $6.00, later to $8.50. JSL. LC 15-24206.

Cont: 1/2tp; advert; front; tp; publ data; dedic; pref; tab cont; illust lists; 10 chs; index; blank f.

Companion volume to *Curious Lore*, but much scarcer; I know of only one reprint in lighter blue cloth, te stained blue, date omitted from title, thicker, originally 4.5 cm, now 4.8 cm. The content, style, illustrations, etc, in the same manner, but in this volume the text treats magical properties of gemstones, electric gems, meteorites, more healing stones, virtues of fabulous stones, concretions, fossils, snake stones, bezoars, gels & ministers of grace, more religious uses of gemstones, amulets, and other related matter. Especially interesting is the material on meteorites, which so far as I can ascertain, has not been treated so thoroughly before. Also remarkable are Kunz's treatment of curious natural configurations of stones, or *lusus naturae*, which before this have been seriously described only in Latin lapidaries or in the encyclopedic compilations of natural history or descriptions of natural history collections of the 16th-17th centuries. Jade is also treated at length in this volume. As in its earlier sibling, references to older literature are abundant in scattered footnotes but regrettably not assembled into comprehensive bibliographies. The illustrations depict a wonderful melange of objects, portraits, jewels, gemstones, book titles, etc. As before, the reader seeking out information on one topic may be required to do considerable searching before he has unearthed all that this book has to say on the subject.

3700. -----1916

Shakespeare | and | Precious Stones | Treating Of | The Known References of Precious Stones in | Shakespeare's Works, with Comments as to the | Origin of his Material, the Knowledge of the Poet | Concerning Precious Stones, and References as to | where the Precious Stones of his Time came from | The Author | George Frederick Kunz | Ph.D., Sc.D., A.M. | Honorary President of the Shakespeare Garden | Committee of New York City; Vice President | of the Permanent Shakespeare Birthday Com- | mittee of the City of New York; Member of | the Executive Committee of the New York City | Tercentenary Celebration; Member of the Mayor's | Shakespeare Celebration Committee of New York | With Illustrations | [rect orn panel] | Philadelphia & London | Imprinted By | J.B.Lippincott Company | At The Washington Square Press | Upon The Tercentenary of Shakespeare | 1916

8°: 100, [2], [2 blank]p; tip-in front portr pl of Shakespeare on glossy paper; 7 photos on 3 tip-in glossy f; 1 fig. Tan cloth, black rules & frame on front cover, decorated with corner red dots; title in red atop a coat-of-arms in black; red title, red dot & black rules on spine. 22.1 x 16.6 cm(8 3/4 x 6 1/2 in). Teg, fe & be untrimmed. $1.25. LC 16-17098. JSL.

Cont: 1/2tp; other Kunz bks; front; tp; publ data; dedic; fwd; tab cont; ill list; text tp; 3 sections; printer's mark; blank f.

References to gemstones in Shakespeare's plays and poetry are extracted and analyzed, the first monograph to do so. At times the analyses appear far-fetched but on the whole the book makes for an interesting and informative work even though at times it seems "much ado about nothing." Handsomely produced with considerable success in a achieving the flavor of Elizabethan book design.

SHAKESPEARE
and
PRECIOUS STONES
TREATING OF
The Known *References* of *Precious Stones* in Shakespeare's Works, with Comments as to the Origin of his Material, the Knowledge of the *Poet* Concerning *Precious Stones*, and References as to Where the Precious Stones of his Time came from
The Author
GEORGE FREDERICK KUNZ
PH.D., SC.D., A.M.
Honorary President of the Shakespeare Garden Committee of New York City; Vice President of the Permanent Shakespeare Birthday Committee of the City of New York; Member of the Executive Committee of the New York City Tercentenary Celebration; Member of the Mayor's Shakespeare Celebration Committee of New York
WITH ILLUSTRATIONS
PHILADELPHIA & LONDON
IMPRINTED BY
J. B. LIPPINCOTT COMPANY
At the Washington Square Press
Upon the TERCENTENARY of Shakespeare
1916

3700. Titlepage to Kunz's compilation of gemstones mentioned in the works of William Shakespeare

3701. -----1916, Hobby Club edit

Shakespeare | and | Precious Stones |...| With Illustrations | Hobby Club Edition [in lieu of decorative panel] |...| 1916 [title now in red & black]

Identical except for new titleleaf, now half of a doubleleaf inserted in place of the original titleleaf, hence adding an additional leaf to the count. The second leaf of this pair is headed "Hobby Club Edition | Of | Shakespeare And | Precious Stones..." and notes that it is limited to 47 copies, constituting

the membership of the club, also one copy for the club library, one copy each for six other libraries mentioned, and three other copies. This leaf, printed in red & black, lists those receiving copies and at bottom, "This copy was printed for | E.R.A.Seligman [in my copy] | with the compliments of the author" and signed by Kunz.

3701A. -----1916, Central Park Shakespeare Garden Committee Edition to Commemorate the Tercentenary of Shakespeare's Death; limited to 30 copies, blue & black tp, presentation f, signed, bound-in, with photo of the park on reverse. Not seen, from Frederick Blake cat 24, no 420, Jan 1991.

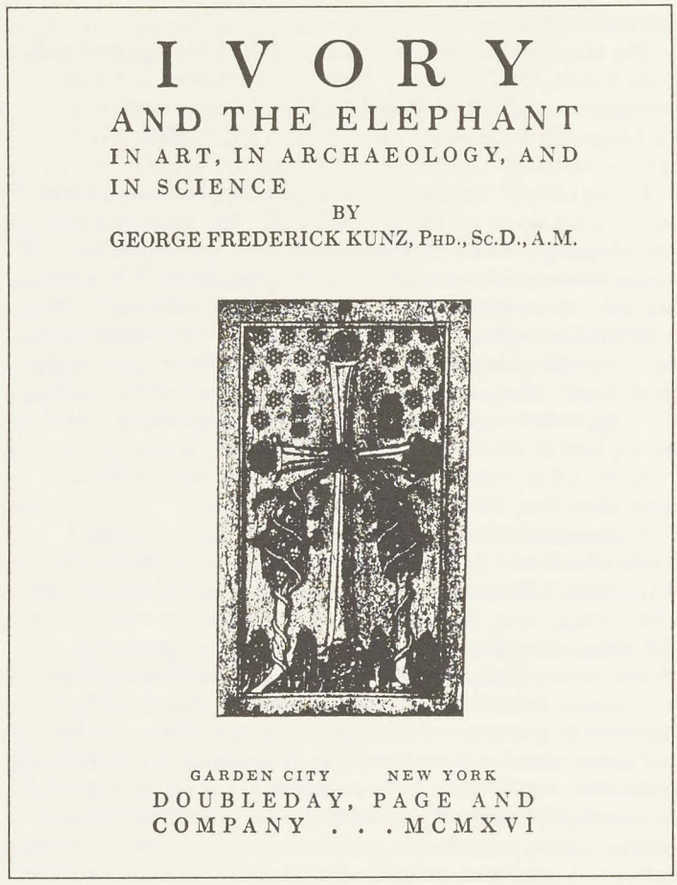
3702. -----1916

Ivory | And The Elephant | In Art, In Archaeology, And | In Science | By | George Frederick Kunz, PHD, SC.D., A.M. | [gravure of ivory panel] | Garden City New York | Doubleday, Page And | Company... [sic] MCMXVI

8°: xxvi, 527, [1]p; front glossy photo pl tip-in; 163 photos on 67 glossy f; 5 photos on 3 fold glossy f; 1 fold chart of elephant evolution; 1 fold map Alaska-Canada; 1 fold map Anglo-Egyptian Sudan; 1 fold statistics chart;(maps, chart on thin translucent tan paper; pls either tip-in or bound-in);45 fig. Tan buckram, front cover stamped in a depressed area in which laid a rect gold-bordered photo reprod of carved ivory panel, surmounted by a black band on which title & author gold stamped. Similar narrow panel pasted to spine. Teg; others uncut. 25.5 x 17.3 cm(10 1/8 x 6 3/4 in).

Cont: 1/2tp; tp; publ data; dedic; author's pref; tab cont; illust list; fold pls list; text fig list; text tp; 12 chs; addenda; proboscidea genera; lists of ivory carvers; index; print data. JSL. LC 16-22408.

A complex, large work, by far the best yet written on the subject. While not stated in so many words, it is apparent from reviews that professional art critics were loathe to admire this book because its author was not trained in art appreciation yet undertook to discuss the merits of many types of art as expressed in ivory carvings. Nevertheless, and accepting this implied criticism, the fact remains that nowhere is it possible even now to obtain within the covers of a single volume the quantity and variety of factual information on ivory. The text is abundantly supported throughout with footnote references, which one only wishes had been gathered together in a single list. Matching the text are illustrations of uniformly high quality and in great variety. The first three chapters take up ivory carving art as preserved in objects dating from prehistory to modern periods and including examples from Eastern as well as Western civilizations. Next is a fascinating chapter on the elephant in history which examines the lore and legends attached to this mammal and furnishes several quaint illustrations taken from antique works in which this animal is described and depicted. This is followed by a chapter on elephant hunting and procurement of tusks, with another chapter that treats in great detail the sources, composition, and qualities of ivory, as taken from the elephant and other mammals. There is an excellent chapter on carving and working ivory along with useful pictures of the tools and equipment employed. A chapter on vegetable and imitation ivories not only describes these materials but is also careful to point out the means whereby they may be discriminated from the genuine article. Minor sources of ivory, as from the walrus and narwhal are described in their own chapter while two chapters are devoted to the evolution of the elephant, the mastodon, and the mammoth, along with the development of tusks. The last chapter deals with commercial aspects. The addenda are short contributions on various aspects of ivory and are followed by lists of ivory carvers.


IVORY
AND THE ELEPHANT
IN ART, IN ARCHAEOLOGY, AND IN SCIENCE
BY
GEORGE FREDERICK KUNZ, PHD., SC.D., A.M.

GARDEN CITY NEW YORK
DOUBLEDAY, PAGE AND COMPANY . . . MCMXVI

3702. The scarcest of Kunz's major works with information that does not appear elsewhere in the gemological literature

3703. -----1916, Belgian Congo edit

Ivory |...|George Frederick Kunz, Ph.D., Sc.D., A.M. | The Belgian Congo Edition | [same vignette] | Garden City New York |... ["Belgian Congo Edition" in turquoise-blue ink]

Following title is a tip-in f: "The Belgian Congo Edition | Of this edition only twenty-six copies have been printed, | for presentation to the following: | His Majesty Albert, King of the Belgians |... [26 names, ending with Kunz]...| This copy was specially printed for | Daniel Guggenheim, Esq. | with the compliments of the author. | October, 1916 [full name signature of Kunz follows]

3704. -----1916, Hobby Club edit

Ivory |...| George Frederick Kunz, Ph.D., Sc.D., A.M. | The Hobby Club Edition | [same vignette] |... ["Hobby Club Edition" in red inkl

After titleleaf is a tip-in f "The Hobby Club Edition | Limited to forty copies; one for each member... and one for the Library of the Hobby Club; also three copies for presentation to other than members of the Hobby Club. |... [40 names]...| This copy was printed for | [printed name] | with the compliments of the author. | Kunz signature] | [footnote]"

In a letter to Kunz from Walter Gilliss, Gilliss Press, printers of the book, dated September 26, 1916, the lists of persons and organisations slated to receive copies of both special editions were acknowledged and thanks extended for including Gilliss as a recipient of a Belgian Congo edition. In another letter from

Gilliss to Kunz, September 24, 1920, Gilliss states that "I find on enquiry at Doubledays that the edition of Ivory and the Elephant was 750 copies. We have no sheets or bound stock on hand, but we have the plates." This suggests that only 750 copies of the regular edition were printed, and perhaps accounts for the fact that this Kunz book appears to be the rarest of all his major works save for his special off-printing of texts from the Heber Bishop jade catalog. See William Diller Matthew, "Kunz on ivory and the elephant," *American Museum J*, New York, 16, 1916, 485-96, ill.

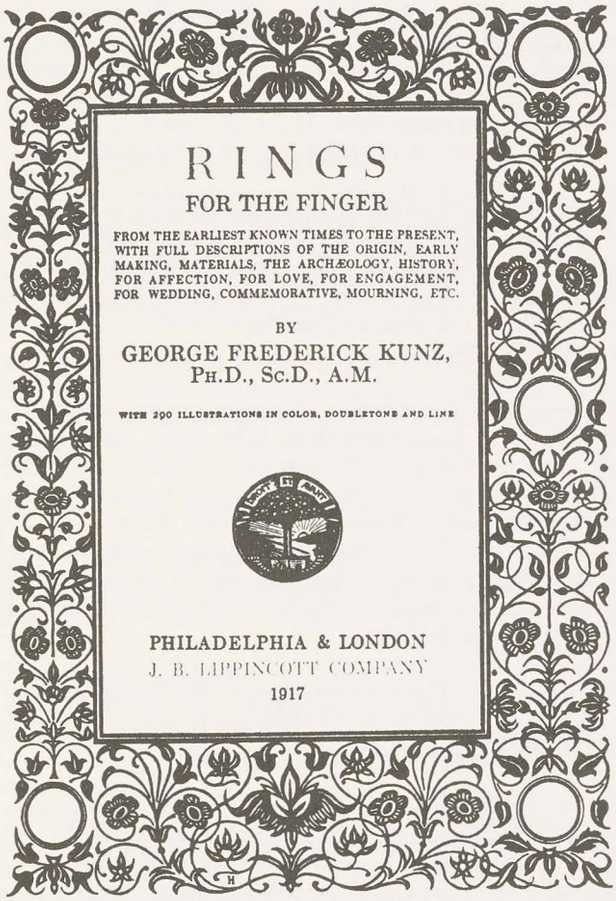
3705. -----1917

Rings | For The Finger | From The Earliest Known Times To The Present, | With Full Descriptions Of The Origin, Early | Making, Materials, The Archaeology, History, | For Affection, For Love, For Engagement, | For Wedding, Commemorative, Mourning, Etc. | By | George Frederick Kunz, | Ph.D., Sc.D., A.M. | With 290 Illustrations In Color, Doubletone And Line | [logo] | Philadelphia & London | J.B.Lippincott Company | 1917 [title in red & black, enclosed in elaborate floral frame with inner double-rule frame]

8°: xviii, 381, [3 blank]p; tip-in glossy col front with tissue bearing lett; 2 glossy col pls tip-in; 54 other glossy pls tip-in; 1 fold facsimile of letter on blue paper tip-in(faces p 30). Pale red cloth, gold shield in center of front cover enclosing title & 3 rings in gold, surrounded by white double-rule border frame and rows of white rings elsewhere on cover; gold rules & lett on spine with a pair of white crossed-hands and title; plain back cover. 22.2 x 16.6 cm(8 3/4 x 6 1/2 in). Teg; others untrimmed and quite rough. In stout tan card box, stapled, with bottom edge label and cover label printed in red on pale tan glossy paper bearing red lett, descriptive matter, etc, also a hand in red with gold rings & chain jewel. $8.50 or 27 s. LC 17-7933 (gives price as $6.50). JSL. LC 17-7933.

Cont: 1/2tp; other Kunz bks; front; tp; publ data; dedic; fwd(with signet seal of Kunz); tab cont; ill list; 9 chs; index; 3 blank p.

Since Edwards' *The History and Poetry of Finger-Rings*, 1855, and W Jones' *Finger-Ring Lore*, 1877, no large, comprehensive work on rings, in popular terms, appeared until the present work. Other large books on rings have been published to be sure, notably by F H Marshall, O M Dalton, F Henkel, and recently, by A Ward, et al, 1981, but while all are excellent, especially the last, none can compare to Kunz's work in respect to completeness and general appeal. It remains the largest single storehouse of information on rings available in any language. As with other Kunz books, the emphasis is on curious lore, customs, traditions, and the like, with less emphasis on stylistic developments, the materials employed in rings, engraved gems, and gemstones, although much information on these subjects is to be found in the text. The first chapter discusses ring origins, purposes, and methods of wear. The second chapter treats the forms and materials of rings, while the remaining chapters largely devote themselves to detailed descriptions and discussions of rings of various types as used for example in signets, in betrothals and weddings, in religion, in magic, etc. The last chapter, briefly describes how rings are made in modern jewelry manufacturies. The facsimile letter referred to previously is from Admiral Robert Edwin Peary (1856-1920), of North Pole exploration fame, in reply to an inquiry regarding the wearing of rings by Eskimos. Other illustrations cover a wide variety of


RINGS

FOR THE FINGER

FROM THE EARLIEST KNOWN TIMES TO THE PRESENT, WITH FULL DESCRIPTIONS OF THE ORIGIN, EARLY MAKING, MATERIALS, THE ARCHÆOLOGY, HISTORY, FOR AFFECTION, FOR LOVE, FOR ENGAGEMENT, FOR WEDDING, COMMEMORATIVE, MOURNING, ETC.

BY

GEORGE FREDERICK KUNZ, PH.D., SC.D., A.M.

WITH 290 ILLUSTRATIONS IN COLOR, DOUBLETONE AND LINE

PHILADELPHIA & LONDON

J. B. LIPPINCOTT COMPANY

1917

3705. The last major work by Kunz; published in the quality and style of his other major books. The titlepage is in red & black

topics and include pictures of persons wearing rings, and many of rings themselves. It is all a handsome production, made from high quality durable materials, rarer than Kunz's other lorical books, but more common than his *Ivory and the Elephant*.

A special issue, which I have not seen, was fitted by Kunz with an extra leaf in the front matter which reads in part: "Cooper Union For The Advancement Of Science And Art Edition Of Rings... Limited to fifteen copies," with a list of 13 names, mainly relatives of Peter Cooper Hewitt(1861-1921), plus a copy for the reading room in the Cooper Union, and a copy retained by Kunz. The popularity of Rings required another printing in the same year which is textually identical but markedly different otherwise. The cloth is now a deeper red, and the white decorations on the covers & spine eliminated, the covers now being decorated only with the gold shield, its rings, and its title, while the spine now bears only the gold title and edge rules. The fe & be are trimmed to reduce the excessively ragged appearance; three cloth tapes for sewing on the sections are eliminated. In same cardbd box. JSL.

3706. -----1973, Dover edit

Rings |...| With 290 Illustrations | Dover Publications, Inc. | New York [1973]

8°: [4]p + p vii-xviii + 381, [1 blank]p; all ill now in text and in b&w. Stiff, elasticized wrap, pale magenta on cover & spine, back cover white, front cover design of 3 interlocked gold rings; back cover resume; inside cover adverts. Another printing with bright blue cover & spine; front now redesigned to show numerous rings in many styles. 21.5 x 13.6 cm(8 1/2 x 5 3/8 in). Cut. $3.50. LC 78-172181 [sic]; ISBN 0-486-22226-8. JSL.

Cont: blank p; front iil; tp; dedic & publ data; fwd & remainder same. Illustrations now integral on text leaves but not includ in pag. A note on publ data page indicates that Mrs Ruby Kunz Zinsser, Kunz's daughter, renewed the copyright in 1945. Another reprint, not seen, by Peter Smith, ISBN 0-8446-4767-5, $6.75.

3707. -----1925 Gem stones. Diamonds, rubies, sapphires, emeralds, aquamarines, tourmalines, jade, garnet, turquoise, lapis lazuli, and amber[chapter]. *The Marketing of Metals and Minerals. A Series of Articles by Specialists*, edited by Josiah Edward Spurr and Felix Edgar Wormser. New York: McGraw-Hill Book Co, 1925, p 338-62. JSL. Remarks on unique nature of the gem market, transport, insurance, shipping, current jewelry marketing practise, etc., but mainly valuable for statistical tables and values placed on gems at the time.

3708. -----1925 The romance of rings. *The Mentor*, 12, 12, ser no 263, Jan 1925, 2-24, 26 ill(photos & cuts). JSL. Fine broad treatment, well-illustrated.

3709. -----1925 Six famous diamonds. Their discovery and dramatic adventures. Ibid, 13, 11, ser no 274, Dec 1925, 1-16, 20 photos. JSL. Histories, suitably illustrated, of Cullinan, Excelsior, Koh-i-Nur, Orloff, Regent and Sancy diamonds; most space devoted to discovery, splitting, and cutting of the Cullinan.

3710. -----1927-1928, with RAY, MARIE BEYNON American travels of a gem collector *The Saturday Evening Post*, Philadelphia, Nov 26, 1927, p 6, 7, 85, 86, 91, 6 photos; Dec 10, 22, 23, 172-4, 176, 7 photos. The gem collector in Europe, Jan 21, 1928, 33, 34, 36, 38, 4 photos. Trailing gems in Europe, Mar 10, 44, 46, 188-90, 194, 2 photos. Discoveries of a gem expert, Mar 31, 30, 32, 96, 99, 100, 4 photos. The indestructible value, May 5, 20, 21, 153, 154, 156, 161, 6 photos. JSL. A series of "as told to" articles in which the actual writing was done by Mrs Ray, a journalist. All make for fascinating reading and are probably colored to some extent to make them more palatable to readers of the *Post*, but on the whole, the scientific facts and other data appear to be accurate. There are numerous illustrations, apparently taken from Kunz's personal archives, and here published for the first time in many instances. The first two articles cover Kunz's early career, especially during the time that he was actively traveling and collecting In the United States and Mexico, but also provide side adventures into jade, false stones, and other topics not necessarily related to the central theme. The third and fourth articles concern travels in Europe while seeking famous gems and jewels, and also Kunz's adventures in Russia. The fifth article describes the discovery of huge masses of nephrite in Silesia, the lilac-colored spodumene, kunzite, named after him, diamond and its synthesis, color changes in zircon, and more on Russia. The last article is devoted almost entirely to famous diamonds and platinum, and also provides a table of comparative gem values which has been much quoted since. G M Born, 1982, 198, comments on article 2 where jade is spoken of. The above articles were reprinted in *Lap J*, vol 22, no 8, 1968, p 1011-33, passim, thence, with interruptions, into vol 23, no 1, 1969, p 27-55, passim, or 6 articles altogether. GS 34-853.

KUNZ, G F, see BISHOP, H R, 1900, 1906; also TIFFANY & CO, 1885, 1899,1904.

3711. KUO PAO-CHÜN Ku yü hsin ch'üan [New notes on old jades]. *Bull Inst History & Philology, Academia Sinica*, 20, pt 2, 1949, 1-46, 17 pls. Not seen,

3712. KUPFER, AVGUST ERNESTOVICH(1842-1918) Mineralogicheskaya kollektsiya Gornogo Instituta [Mineral collection of the Mining Institute]. St Petersburg, 1911, 575 p; includes many gemstones. Not seen: BM(NH) Cat.

3713. KURAT, GERO; NIEDERMAYR, GERHARD & PRINZ, MARTIN Peridot von Zabargad, Rotes Meer. *Der Aufschluss*, 33, 1982, 169-82, 9 fig(geol map), part col; 3 tab; 20 ref. Account of a personal visit in 1980: geology, petrology, deposits, peridot & inclusions, chemistry, genesis, mineral associates, etc; valuable firsthand information.

3714. KÜRENBERG, JOACHIM VON Adamas. Hamburg: Verlag Robert Mölich, 1949(?). DM 13.80. Not seen, from brief rev by W Fischer, *Die Aufgabe, Edelsteine u. Schmuck*, Idar-Oberstein, Jg 1, H 11, Okt 1949, p 252: "The adventurous history of the blue Hope Diamond... will captivate all who are lured by the weird and exciting."

KURR, JOHANN GOTTLOB VON(1798-1870)
Ger mineralogist; MD; prof Imperial Polytechnic school, Stuttgart.

3715. -----1835 Grundzüge der ökonomisch=technischen Mineralogie, Leipzig: Baumgärtners Buchhandlung, 1835. Not seen.

3716. -----1844, 2nd edit

Grundzüge | der | ökonomisch=technischen | Mineralogie, | [rule] | Ein lehr- und Handbuch | für | Oekonomen und Gewerbsmänner, | sowie für | Polytechnische=, Real=, Gewerbs=, land= und forstwirth= | schaftliche Lehranstalten, | von | J.G.Kurr, | Doctor der Medicin und Chirurgie, Professor der Naturgeschichte an der königlichen | polytechnischen Schule zu Stuttgart, mehrerer gelehrten Gesellschaften und | Vereine Mitgliede. | Zweite Auflage. | Mit sechs schwarzen und einer colorirten Kupfertafel. | [double rule] | Leipzig, | Baumgärtners Buchhandlung. | 1844.

8°: XXVIII, [2], 619, [7] p; 6 engrav fold pls, the col pl unfolding to ca 60 x 21 cm(23 1/2 x 8 1/4 in); all pls bound-in at end. 21.2 x 12.8 cm(8 3/8 x 5 in). Cut. JSL; Pogg I, 1333; Ward & Carozzi 1303.

Cont: 1/2tp; tp; memorial; fwd to 1st edit; fwd this edit; tab cont; errata; introd; text; index; pls explan; pls.

Essentially a textbook of mineralogy augmented by information on minerals and mineral materials useful in the arts and manufactures. The brief introduction defines the scope of

mineralogy, and suggests other sources of information, among them several dozen works on mineralogy, geology, and economic mineralogy, also several periodicals. The first part of the first half is theoretical mineralogy, the second part descriptive mineralogy, while the second half of the book treats geology. Precious and ornamental gemstones are described in both the mineralogical and geological parts. The plates depict mineralogical testing and prospecting instruments, crystal forms, and the last plate, partcolored, gives a geological cross-section of Europe and indicating the mountain ranges and sedimentary formations, adapted from Élie de Beaumont, and another cross-section showing all types or rocks and formations in an idealized presentation after Buckland and Webster.

KUTIL, J, see KOUŘIMSKÝ, J

3717. KUTTNER, FRITZ A The musical significance of archaic Chinese jades of the pi disk type. *Artibus Asiae*, 16, 1953, 25-50, ill. Not seen: G M Born, 1982, 201, a lengthy summary; Yang 1601.

3718. KUWAYAMA, GEORGE Chinese jade; from southern California collections. Los Angeles County Museum of Art, Oct 26, 1976 - Feb 6, 1977. [Los Angeles, by the museum, 1976], 74 p, wrap, ill. 26 1/2 cm. $5.50. Not seen: from G M Born, 1982, 202; Yang 1602.

3719. KU YÜ T'OU PU "Illustrated description of ancient jade," Peking, 1176, according to S W Bushell's article, "On jade in China," 1900, which see, "this is a catalogue, in one hundred books, with more than seven hundred figures, of the collection of jade belonging to the first Emperor of the Southern Sung dynasty, who had resigned the empire to his son in the year 1175, the year before it was published by an imperial commission of nineteen members, including one writer and four artists, presided over by the President of the Board of Rites, Lung Ta-yuan, the author of the original preface." Bushell then quotes from the second preface to the work and notes the controversy regarding its approval, and then gives the following as the classes under which the objects in the collection were distributed and described 1) State treasures, Bks 1-42. 2) Amulets or talismans, 43-6. 3) For chariots or official dress, 47-66. 4) For use in the study, 67-76. 5) For burning incense, 77-81. 6) Drinking vessels, 82-90. 7) Sacrificial vessels, 91-93. 8) Musical instruments, 94-96. And 9) Decorative furniture, 97-100. See also Laufer's extensive commentary in his *Jade*, 1912, p 8. Both Bushell and Laufer were suspicious of certain parts of the work but considered it fundamentally to be genuine. However, Hansford, *Chinese Jade Carving*, 1950, p 4-6, believes it to be a fraud; he lists it in his bibliography under Lung Ta-yuan, and states that it is an "illustrated catalogue purporting to be that of the collection of ancient jades of the Emperor Hsiao Tsung" and gives two editions, the first by Yü Wên-i... preface dated 1712, 32 chapters, and the other, the edition of Chiang Ch'un of 1779, 100 chapters(p 6). See also Nott's description, *Chinese Jade Throughout the Ages*, 1936, p 167.

3720. KUZMIN, V I; DOBROVOLSKAYA, N V & SOLNTSEVA, L S Turmalini i ego ispolzovanie pri poisko-vo-otsenochnykh rabotakh. Moskva: Nedra, 1979, 269 p, 11 col ill. R 1.60. Not seen; rev *J Gemm*, 17, 4, 1980, 271.

3721. KUZNETSOV, NIKOLAI YAKOVIECH(1873-1948) Cheshuektyiye yantarya[Fossil lepidoptera in amber]. Moskva: Izdatelstvo Akademiya Nauk SSSR, 1941, 135 p, ills, 27 cm. Biblio p 94-8. Not seen: LC 51-4725.

3722. KYOCERA INTERNATIONAL, INC The world of Kyocera Vert. Jewelry New Age. Tokyo, 1984, 144 p, ills in col. 1200 yen. Not seen: rev *J Gemm*, 19, 6, 1985, p 547, " devoted to a review and illustrations of the Kyocera synthetic ruby, alexandrite, emerald, opal, star ruby and orange 'padparadschah' sapphire." Kyocera = Kyoto Ceramics Corporation, Japan.

3723. L[ORD], W[ILLIAM] B[ARRY] Diamonds and gold. The three main routes to the South African Ophir, and how to equip for the journey. By W.B.L. London: published by John B.Day, 1871. ii, 95 pp; 8°. Not seen: from Mendelssohn.

LAAN, H L VAN DER, see VAN DER LAAN, H L

3724. LAARSS, R H, *pseud* of HUMMEL, RICHARD(1870-) Das Geheimnis der Amulette und Talismane. Leipzig: 1919, 237 p, 9 pls, many ill; not seen.

3725. -----1926, 2nd edit

Das Geheimnis | der | Amulette und Talismane | Von R.H.Laarss | Zweite vollstandig neubearbeitete Auflage | mit 52 Abbildungen | [double rule] | Richard Hummel Verlag/Leipzig 1926

8°; VIII, 215, [1]p; 52 fig; 10 ch headpiece drawings; 2 tab. Green unfin cloth, black title within black frame on cover; black title, rules on spine. 18.6 x 12.6 cm(7 3/8 x 5 1/8 in). Cut. Te stained yellow. Paper browned. JSL.

Cont: logo; tp; publ data; introd; 10 chs; biblio(p 207-13, 122 entries; tab cont; request for information from readers; advert.

A respected work on the lore of amulets and talismans, considered in the light of the long history of belief in their efficacy from ancient times to the present, and supported by references to appropriate literature. Treats these objects as known in the Orient and in Germany, astrological lore, magical properties of many substances, including gemstones, suggestive amulets, magical amulets and talismans, the manufacture and use of guardians, and the large and important bibliography divided into classes of amulets & talismans, astrology & related topics, and magic, mystic, & related subjects. The illustrations are mostly of amulets & talismans of various kinds but also depict some engraved gems, notably those taken from King's *Gnostics*, which see. While gemstones are mentioned more or less regularly throughout, most is said about their occult properties in Ch 7, p 103-36. This chapter also has much to say about famous diamonds and the legends which surround them.

3726. -----1932, 3rd edit, title change

R.H.Laarss | [rule] | Das Buch Der Amulette | Und Talismane | Talismanische Astrologie Und Magie | Das ist die Lehre von den magischen Kräften | der edlen und halbedlen Steine, Korallen | Perlen, Metalle, Zahlen, Farben und Gerüche | Mit 74 Abbildungen | III. Umgearbeitete und vermehrte Auflage | das Buches: | Das Geheimnis der Amulette und Talismane | 1932 | [rule] | Richard Hummel Verlag, Leipzig

8°: blank extra flyleaf + 304 p; front portr photo of author on glossy tip-in f; 74 fig; 10 headpc drawings. Pale tan cloth, brown lett on cover & spine with star & several element symbols and with underlying pale blue star & cross amulet. 20.8 x 13.5 cm(8 1/4 x 5 1/4 in). Cut. Te stained blue. LC 33-13340. JSL.

Cont: blank f; front; tp; publ data; tab cont; introd; fwd; 10 chs; biblio(300-3, 120 entries); request for information.

The general scope remains the same, with refinements here and there in the previous subject matter. Bibliography considerably altered: many early entries omitted, new ones added. Paper quality much improved. Reprinted with same date but omitting extra flyleaf & author portrait; coarse-weave pale tan cloth, unfin, same cover design but in black only; spine lett omitted.

3727. LABARTE, JULES(1797-1880) Dissertation sur l'abandon de la glyptique en occident au moyen age et sur l'époque de la renaissance de cet art, par Jules Labarte. Paris, V^e^ A.Morel et c^ie^, 1871. 24 p, pl, 32.5 cm. Biblio footnotes, Not seen: USGS Kunz Coll, GS 34-547.

3728. LA BAUME, WOLFGANG Zur Naturkunde und Kulturgeschichte des Bernsteins. *Schrift d Naturf Ges Danzig*, Bd 20, H 1, (date?), p 5-48; Not seen: G R v Bock, 1981, p 177.

LABORDE, LÉON EMANUEL SIMON JOSEPH, Marquis DE (1807-1869)

Noted Fr archeol; explorations in Asia Minor, Syria, Egypt, Arabia.

3729. -----1853

Notice | Des Émaux | Bijoux Et Objets Divers | Exposés | Dans Les Galeries | Du Musée Du Louvre | Par | M.De Laborde | Membre de l'Institut | Conservateur des collections du Moyen âge, de la Renaissance | et de la Sculpture moderne. | [orn rule] | I^re^ [-II^e^] Partie. | Histoire Et Descriptions. | [rule] | Prix: 1 Fr. 50 C. | [rule] | Paris, | Vinchon, Imprimeur Des Musées Impériaux, | Rue J.-J.Rousseau, 8. | [rule] | 1853. [2 vols]

Vol I 8°: 441, [3 blank]p; small text fig. Print wrap(?). 18 x 11.5 cm(7 1/2 x 4 1/2 in). Cut, cropped. JSL.

Cont: tp; approb; pref; biblio(p 4-7, 27 entries); text; tables title; abbrev; enameler names; list of collections; list of painter-enamelers; 3 blank p.

Vol II

Notice |...| II^e^ Partie. | Documents Et Glossaire. | [rule] | Prix: 2 Francs. | [rule] |...| 1853,

8°: X, [1], [1 blank], 552 p. Cont: tp; approb; pref; part tp; blank p; text; index.

While largely devoted to numerous enameled objects in the collections of the Louvre in Paris, it does contain much of interest to the gemologist. In the first volume, p 349-79, are listed and described items 564 to 833, which are carved or prepared in whole or part from gemstones as sardonyx, jasper, jade, garnet, amethyst, porphyry, agate, lapis lazuli, rock crystal, and other stones, in the forms of cups, caskets, table ornaments, and the like. Items 809-33 are engraved gems. The second volume contains the inventory of the jewels of Louis, Duke of Anjou, but more interesting is the very large and detailed glossary of terms which appears on p 121-548, and includes numerous gemstone species/varieties names; this glossary is almost unnoticed but is certainly worthy of study by anyone contemplating preparation of a gemological glossary. The entries are treated in scholarly fashion and supported by references to Pliny and other ancient sources. Unfortunately, mistakes are present which call attention to the author's lack of expertise in matters mineralogical, eg, under "Aigue Marine" is found "corindon hyalin," or colorless sapphire.

3730. -----1853, 2nd edit Marquet De Vasselot, *Bibliographie De L'Orfèvrerie*, 1925, p 52, states that it contains 441 p in Vol I, with 1164 entries, and XII, 552 p in Vol II; not seen.

3731. -----1872, reimpression Vol II only Ibid: Paris, Labitte, XII, 552 p.

3732. LABOUR, NONA Amber and jet in ancient burials. *Trans, Dumfriesshire and Galloway Nat Hist and Antiquarian Soc*, 3, 3rd ser, 1914/15, p 106-20. Not seen.

LACAZE-DUTHIERS, FELIX JOSEPH HENRI DE (1821-1901)

Fr MD, eminent anatomist, biologist, zoologist; prof zool Lille 1854; prof Nat Hist Mus Paris 1865; Sorbonne 1868; F Roy Soc London; mbr Fr Acad; wrote many papers on marine biology/zoology. DSB 7, 545-6.

3733. -----1864

Histoire | Naturelle | Du Corail | Organisation - Reproduction | Peche En Algérie - Industrie Et Commerce | Par Le Docteur | H. Lacaze-Duthiers | Maître de conférences à l'École normale supérieure, chargé d'une mission pour l'étude du Corail. | [quot] | Publiée Sous Les Auspices | De M.Le Ministre De L'Instruction Publique Et De M.Le Gouverneur Général De L'Algérie. | Avec 20 planches dessinées d'après nature et coloriées | [rule] | Paris | J.B. Baillière Et Fils | Libraires De L'Académie Impériale De Medecine | rue Hautefeuille, 19. | [3 publ branches, separated by short vertical rules] | Leipzig, E.Jung Treuttel, Querstrasse, 10, | 1864 | Tous droits réservés.

8°: blank f + XXV, [1 blank], 371 p; 20 in part col engrav pls, each hinged with thin paper & tissued, bound-in. Print wrap, title on cover in orn frame; other publ bks back cover. Also in cardboards, with dk green gold-lett spine, and with wrap pasted to sides. 24.8 x 16 cm(9 3/4 x 6 3/8 in). Unopened. JSL; USGS Library.

Cont: blank f; 1/2tp; other bks of author & publ data; tp; dedic; tab conr; introd; historical notes; text; concl; pls explan with each pl; index.

The definitive study of the precious coral off the coast of Algeria which required intensive effort by the author for a period in excess of one year. There are three subdivisions of content, historical, zoological, and commercial. The historical division is of particular value because it assembles for the first time the views held on the nature of coral by numerous earlier scientists, from antiquity to the present, compares these views, and often cites verbatim, statements made by such as Orpheus, Pliny, Marbod, Gans, Boccone, Marsigli, Reaumur, Peyssonnel, and others, the last named, confirmed in the eyes of the author, as the first to correctly identify the coral organism as animal rather than vegetable. The natural history of the coral animal is treated fully, along with associated zoophytes that inhabit the same reefs as the coral. Included are observations, in vivo, of the structures, reproduction, gestation, youthful stages, development, division, etc of the coral animal. There is a useful chapter

on the chemical composition and coloring matter of the coral skeleton. One of the aims of the author's mission was to study the coral and the fishery in order to establish sensible protective measures and regulations that would insure a productive fishery for the future. This aspect is discussed in the last part and includes chapters on the actual conduct of coral-fishing, with remarks on boats, the equipment, diving gear, regulations then existing and observance of same, recommendations for changes, fishing organizations, financial & labor problems, subsidies, and in a final chapter, the trade in Algerian coral with remarks on qualities, quantities, working of, etc. The plates are exquisitely engraved, beautifully colored, and can scarcely be improved upon in regard to artistry and execution.

LACHAU, GÉRAUD DE (ca 1750-) & LEBLOND, GASPARD MICHEL(1738-1805)

Both ordained priests, and generally titled "Abbé;" this work is commonly entered under DE LA CHAU or CHAU; Lachau was a Fr archeologist, librarian & secty to the Duke of Orleans; Leblond, also an archeologist, asst to Abbott Vermont, librarian Mazarin Coll; wrote a dissertation on murrhine vases in *Mém Acad Inscript et Belles-Lettres*, vol 42. *Biogr Univ*, 23, 51-2 & 487-8; *Nouv Biogr Générale*, 28, 519-20; 30, 97-8. Not mentioned is the fact that the text for the first volume was written by ARNAUD, FRANÇOIS(1721-1784), *Biogr Univ*, 2, 494-6. According to *Biogr Univ*, 61, 352, Henri Coquille de Longchamps, Fr litterateur, was said by Barbier to have greatly assisted Leblond in drafting the second volume of the below treatise but this claim appears to be groundless.

3734. -----1780-1784

Description | Des Principales | Pierres Gravées | Du Cabinet | De S.A.S. Monseigneur Le Duc | D'Orléans, | Premier Prince Du Sang. | Tome Premier[- Second]. | [engrav vignette] | A Paris, | Chez [curved bracket to right, in two lines, one above the other:] M.l'Abbé De La Chau, au Palais Royal. | M.l'Abbé Le Blond, au College Mazarin. [below:] | Et chez Pissot, Libraire, Quai des Augustins. | [double rule] | M.DCC.LXXX [-M.DCC.LXXXIVl. | Avec Approbation Et Privilége Du Roi.

Vol I: 2°: [32], 303, [1 blank]p; pi^2, a-g^2, A-$Eeee^2$; front engrav portr pl of Orléans, surrounded by allegorical figures & objects; 102 bound-in engrav pls of gems; 47 engrav head- & tailpcs. 32.2 x 20.2 cm(12 3/4 x 8 in). Cut. LC 12-14039, (entered under ARNAUD, F); JSL.

Cont: front; tp; dedic; pref; explan of title vignette & head- & tailpcs; corrects; tab cont; text (pls inserted as appropos); blank p.

Vol II: [2]f + v, [3], 215, [5] p; pi^2, a-b^2, A-Ggg^2, Hh^2[sic, missigned]. Same title vignette; 77 bound-in pls; 11 head-& tailpcs.

Cont: 1/2tp; tp; advert; explan of head- & tailpcs; tab cont; text; errata & corrigenda; ltr of Daubenton.

A selection of engraved gems from the important collection of engraved gems inherited by Louis Philippe Joseph, duc d'Orléans(1747-1793), *Biogr Univ* 32, 124-36. The engraved plates, admired by all critics, were from the burin of Augustin De Saint-Aubin(1736-1807), a noted Parisian engraver and book illustrator. The vignettes, for which St Aubin was also responsible, are as good if not better, and certainly more interesting, than his gem engravings, each of the latter considerably magnified but furnished with a small profile on each plate to indicate true size along with a scale. While the engravings excited much favorable comment, the text did not fare as well. For example, C W King, Antique Gems & Rings, 1, 467, notes that "the plates, by St.Aubin, equal the illustrations of the Marlborough Cabinet, especially as regards the heads, in which department they, in my opinion, are the most satisfactory attempt that has yet been made to reproduce the true character of the gem-works. But the artist has been less successful with the figures, the drawing of which he has somewhat Frenchified. The lengthy descriptions... are overloaded with superfluous learning, but often betray complete ignorance of ancient art, in their preposterous mistakes as to the meaning of the most obvious types and inscriptions." Reinach, *Pierres Gravées*, 1895, 132, calling King "a mediocre authority in matters of art," nevertheless uses his statement above, and finishes by saying that "the quality of the figures compensates for the nullity in text." Vinet, 1634, calls the publication "ostentatious and costly, without real benefit to science," and repeats King's remarks on "frenchification" of figure drawings. A Furtwängler, *Die antiken Gemmen*, 3, 420, also lauds the plates and condemns the text. The collection was bought in 1787 for Catherine II of Russia and is now partly exhibited in the Hermitage Museum, Leningrad. See *Catalogue Des Pierres De Duc D'Orléans* which lists and briefly describes the complete collections when it was put up for sale in 1786. The number of plates shown for each volume in the preliminaries of this entry are based on actual counts and do not coincide with tables of contents nor to the plate numbers, and this is due to the fact that several plates were used to depict single gems from several points of view. R Goodland, *Biblio Sex Rites*, 340, lists several plates depicting phallic gems. J G Jacobi, 1796, describes outstanding examples from this collection. It should be noted finally that the second volume contains at the end a letter signed "Daubenton," replying to an inquiry from the authors as to the true form of the hippopotamus, several of which appear in the tailpiece on p 170, and are in Daubenton's view "trésmal dessinées [Louis Jean Marie Daubenton, 1716-?1800, famous Fr naturalist, asst to Buffon in Jardin des Plantes, Paris.] Cicognara, 2801, "bella anzi magnifica raccolta;" Cohen-De Ricci 542; Zazoffs, 145-7.

LA CHAUSSE, M A C, see CAUSEO DE LA CHAUSSE.

LACHMAN, F, see BEUS, A A, 1962, 1966

3735. LACOMBE, P Le massíf basaltique quaternaire à zircons-gemmes de Ratanakiri (Cambodge nord-oriental). *Bull Bur Recherches Geol et Minières*, Paris ser 2, sect 4, pt 2, no 3, 1969, 31-91; no 2, 1970, 29-57; no 4, 1970, 33-79. Not seen. On gem zircons in Quaternary basalt, NE Cambodia.

LACROIX, ANTOINE FRANÇOIS ALFRED(1863-1948)

Fr mineralogist/geologist; b Macon; stud pharmacy but turned to geol & mineralogy, working under Descloizeaux and Fouqué; PhD 1889; in 1893 succeeded Descloizeaux as prof mineralogy Nat Hist Mus, Paris; very wide interests included petrology, esp volcanic rocks, tektites & meteorites, granitic pegmatites & their gemstones; publ 650 arts & bks. Obit: J Orcel, *Bull Soc Fr Min Crist* 73, 1950, 347-408, full biblio; *Amer Min*, 34, 1939, 242-8; see also *Notice sur les travaux scientifiques...* Paris, Baudry et Cie, 1892, 44 p. DSB 7, 548-9.

3736. -----1893-1895

A.Lacroix | Professeur de minéralogie au Muséum d'histoire naturelle | [rule] | Minéralogie | De La France | Et | De Ses Colonies | [rule] | Description Physique Et Chimique Des Minéraux | Étude Des Conditions Géologiques | De Leurs Gisements | Tome Premier [-Cinquième] | Paris | Librairie

Polytechnique, Baudry Et C^ie^, Éditeurs | 15, Rue Des Saints-Pères, 15 | Maison A Liège, 21, Rue De La Régence | [rule] | 1893-95[1896, 1901-09, 1910, 1913] | Tous droits réservés [title in red & blackl

8°: I:(in 2 parts), XX, 304 p & p 305-723; II(in 2 parts): [4], 352 p & [4] p & 353-804; III (2 parts): VI, 400 p & [4]p + p 401-815 + [1]p; IV(2 parts): [2], III, 360 p & [4]p + p 361-923; V: [4], 501 p. Ca 25 x 16.3 cm (9 3/4 x 6 3/8 in). Originally uncut. In blue wraps, cover titles. Numerous crystal & other drawings in texts. LC 22-12869.

This monumental work describes the minerals of France and its colonies, including Madagascar; numerous gemstones are included, especially from Madagascar, but more complete information is found in Lacroix's work on the minerals of Madagascar below. Among many topographical mineralogies that have been published this work stands without peer, being extremely thorough, neglecting no important aspect, and lavishly illustrated. Facsimile reprint by Librairie Scientifique et Technique Albert Blanchard, Paris, in six volumes, printed wraps, 1962-1964.

3737. -----1908 Les minéraux des filons de pegmatite à tourmaline lithique de Madagascar. *Bull Soc Fr Min*, Paris, 31, 1908, 218-47, figs. Early notice of the splendid colored tourmalines from granitic pegmatites of Maharitra and Antandranokomby, and associated feldspars, quartz, garnets, micas, beryls, spodumene, bityite, lazulite, autunite, hatchettolite; beryls of gem quality(morganite) and also spodumene(kunzite).

3738. -----1912 Un voyage au pays des béryls(Madagascar). Institut de France, lecture faite a la séance annuelle des cinq Académies du 25, Oct., 1912. Reprinted, with added notes, in *La Géographie*, Paris, vol 26, no 5, 1912, 285-96; also *Revue scientifique*, Paris, sem 2, 1912, 609-14; also "A trip to Madagascar, the country of beryls," in *Ann Rpt Smithson Inst* 1912, 371-82, 1913. LC 13-25685.

3739. -----1912 Sur les minéraux de la pegmatite d'Ampangabé et de ses environs (Madagascar) et en particulier sur un minéral nouveau(ampangabéite). *Bull Soc Fr Min*, 35, 1912, 180-99, figs. Not seen.

3740. -----1921 Les pierres de Madagascar. Gemmes, pierres d'ornementation, pierres d'industrie. *Revue scientifique*, Paris, ann 59, 1921, 321-9, 353- 61; also separate in 59 p(not seen). Rev L J Spencer, *Min Mag*, 19, 98, 1922, 379, "advance resume of a chapter in vol.2 of the author's "Minéralogie de Madagascar," and deals with the production of gem-stones from a practical standpoint. New gem-stones are kornerupine, ferriferous orthoclase, danburite, and scapolite. Stones used for ornamental and industrial purposes include quartz(rock-crystal and other varieties), amazonite, lazulite, garnet (for pivot-supports), beryl(for extraction of glucinum), etc." See also his "Les pegmatites gemmifères de Madagascar," *Comptes Rendus Acad Sci Paris*, 155, 1912, 441-7, and "Note préliminaire sur quelques minéraux de Madagascar dont plusiers peuvent être utilises comme gemmes,"ibid, 672-7. GS 22-23.

3741. -----1922-1923

A.Lacroix | Secrétaire Perpétuel De L'Académie Des Sciences | Professeur Au Muséum National D'Histoire Naturelle | [rule] | Minéralogie | De | Madagascar | Tome I[-III] | Géologie | Minéralogie Descriptive | Ce volume contient 27 planches hors texte, une carte physique en couleurs | 504 esquisses géologiques et figures géometriques. | Paris | Augustin Challamel, Éditeur | Rue Jacob, 17 | Librairie maritime et coloniale. | [rule] | 1922 [-1923]

4°: XVI, 624 p; 27 tip-in photo pls; doublep map in col; 504 fig, Pale gray, ribbed paper wrap, title in red & black on cover, adverts back cover, 28.5 x 22.5 cm(11 1/4 x 8 3/4 in). GS 22-42 rev; JSL.

II:VII, 694 p; 29 tip-in photo pls; 11 text maps. Subtitled "Mineralogie Appliquée, Lithologie." 1922.

III: VIII, 450 p; 8 tip-in photo pls; 28 fig; 1 fold col geol map at end. Subtitled "Lithologie Appendice - Index Géographique." 1923. Titlepage reads:... Paris a Société D'Éditions | Géographiques, Maritimes Et Coloniales | Ancienne Maison Challamel Fondée En 1839 | 17, Rue Jacob (VI^e^) | [rule] | 1923

An exceptionally fine topographical mineralogy, comparable to his mineralogy of France but with superior photographic plates. The author's lively interest in the gemstones of Madgascar is reflected in the space devoted to such species as tourmaline and beryl and with comments on their usefulness for gems. The first volume is entirely descriptive, after a relatively short section on the geology of the island, and deals with the species in the order native elements - oxides(includes quartz) - carbonates, etc. and ending with silicates and short remarks on organic materials. Such famous Madagascar gemstones as beryl(aquamarine & morganite), tourmaline(colored), topaz, and spodumene, are thoroughly described and illustrated with crystal drawings and superb photo plates. There is precise locality information and descriptions of type deposits, especially of granitic pegmatites. Volume II gives details on occurrences, geology, mineralogy, methods of exploiting deposits, and other information useful to the prospector and gemologist. Ch 3, 81-120, for example, is entirely devoted to gemstones and ornamental materials, while ch 2 of the lithology section, 244-376, describes in detail the pegmatite bodies in which many of the gemstones occur. Volume III also contains more information on gemstones in an appendix as well as further remarks on pegmatites. A useful index of Malagasy geographical names appears in the last volume, 451-509, and is followed by another of foreign names, and with a bibliography of 304 entries, 335-49. Rev *Amer Min*, 8, 5, 1923, 96, also ibid, 9, 7, 1924, 155.

3742. -----1930 La jadéite de Birmanie: les roches qu'elle consitue ou qui l'accompagnent. Composition et origine. *Bull Soc Fr Min*, 53, 1930, 216-54, figs, pls 1 & 2. Reviews knowledge of Burma jadeite & previous work in the jadeite region; describes regional & local geology, the jadeite-bearing dike at Tawmaw, its minerals, jadeite(properties, analyses), also "chromojadeite," amphiboles, chromite. Essentially petrological study. Yang 1604.

3743. -----1932

Alfred Lacroix | [double rule] | Les | Tectites De L'Indochine | [double rule] | Extrait Des "Archives Du Muséum National D'Histoire Naturelle", 1932 | 6^e^ serie. - Tome VIII. | Paris | Masson Et C^ie^ Éditeurs | Libraires De L'Académie De Médecine | 120, Boulevard Saint-Germain | [rule] | 1932.

4°: p 139-240, 43 fig, Pls I-XII. Pale gray print wrap, cover title(only). 32.7 x 25.1 cm(12 7/8 x 10 in). Uncut. JSL. GS 33-50.

Large, handsomely illustrated paper, the first to thoroughly treat the tektites of Indochina and nearby countries of SE Asia as Hainan Island, Malaysia, Philippines, etc, and with useful remarks on tektites from other regions in the world. The first chapter gives the geographical distribution in SE Asia, and is followed by chapters on the morphologies of these tektites and their inclusions, also occurrences of tektites in Australia/Tasmania and Czechoslovakia, chemical composition, physical properties, and hypotheses of origin. The plates are splendid and depict numerous examples from Indochina in numerous forms, sizes, and surface markings, There is also a map showing tektite sites in SE Asia.

3744. -----1935 Les pierres précieuses, semi-précieuses ou d'ornementation. *Les Ressources minerales de la France d'outre-mer*, T III, Paris: Société D'Éditions Géographiques, Maritimes Et Coloniales, 1935. 8°: p 267-324,[2 blank]p; sk map(Fig 27), tabs. Pale gray-blue print wrap. 24.4 x 16 cm(9 5/8 x 6 3/8 in). Cut. JSL. This extract from volume 3 contains a brief treatment of the characteristics and properties of gemstones, followed by descriptions of diamond, quartz, amethyst of French Equatorial Africa, diamond and jasper in French West Africa, diamond and rock crystal in French Guiana, corundum, pagodite, jet and tektite in Indochina, a large number of gemstones in Madagascar, and chalcedonies and other quartz varieties in the Kerguelen Archipelago; bibliographies for each section.

3745. -----1935 Les tectites de l'Indochine et de ses abords et celles de la Cote d'Ivoire. *Archives Mus Hist Nat*, Paris, 6e ser, t XII, 1935, 151-70, Pls I-IV. JSL. Distribution of tektites in Tonkin, Laos, Siam, Cambodia, Cochin China, Annam, Hainan, type deposits, age, morphologies of specimens, inclusions, corrosion figures, chemistry & analyses, plus a section on the newly-discovered tektites of the Ivory Coast. Splendid photo plates, like those in his previous paper on SE Asian tektites.

3746. LACY, GEORGE (1844-)

Pictures Of Travel, Sport, | And Adventure | By | George Lacy | ("The Old Pioneer") | Author Of "Liberty And Law," "Pioneer Hunters, Traders And Explorers | Of South Africa," Etc. | [logo] | London | C.Arthur Pearson Limited | Henrietta Street W.C. | [rule] | 1899

8°: xvi, 420 p; front portr pl includ in pag; 45 photos & sketches(29 fullp, printed one side, other side of leaf blank) all includ in pag. Dk blue cloth, gold title & hunting designs on cover; gold lett spine. 21.9 x 14.5 cm(8 5/8 x 5 3/4 in). Teg, others untrimmed. JSL.

Cont: 1/2tp; front; tp; dedic; pref; tab cont; ill list; 12 chs.

Episodes from the author's life, which he confesses was largely devoted to hunting, travel, and adventure. One chapter, p 158-205, is of value to the diamond mining historian because it deals with his visit to the Pniel diggings along the Vaal River in South Africa, also the diggings at Klip Drift, or Barkly West, and finally at the Old De Beers mine where the author worked several claims without much success. This episode occurred during 1871-2 and thus provides an excellent firsthand account of the very early state of the diamond mines, the lives of the miners, the diamond selling practises, and other aspects of work and play upon the fields at a time when the surface diggings were first reaching the as yet unrecognized in-situ blue ground.

LADDERSOUS, MOELLER DE, see ANTWERPEN, C VAN

LAET, JOHANNES, or JOANNES DE, also JAN DE or JAN VAN(1593?-1649)

Belgian historian, writer; b Antwerp; well versed in languages, hist & geogr; publ valuable descriptions of Spain, Italy, Persia, etc, but best known for accounts of the New World, esp West Indies; director, Compagnie des Indes. Mentioned by Caley & Richards, *Theophrastus on Stones*, p 5; see also H Fischer *Nephrit u Jadeit*, 2nd edit, 1880, 106-11, "by far the most important commentary on American nephrite." Pogg I, 1341; Agassiz III, 402.

3747. -----1647

Ioannis De Laet | Antvverpiani | De | Gemmis | Et | Lapidibus | Libri Duo. | Quibus praemittitur | Theophrasti | Liber De Lapidibus | Graece & Latine | Cum | Brevibus Annotationibus. | [logo] | Lugduni Batavorum. | Ex Officina Ioannis Maire. | Anno CIO IO C XLVII. [Leyden, 1647]

8°: [64], 210, [6]p; *-***^{8}, A-N^{8}, O^{4}; over 40 text woodcuts, several large or fullpage. 18.2 x 11.4 cm(7 1/4 x 4 1/2 in). Cut. USGS Kunz Coll, GS 34-416; JSL; Ward & Carozzi, 1307; Dewalque 284; De Golyer Coll, U Okla. Cont: tp; dedic; pref; tab cont; extract of remarks of Salmasius on Solinus & Pliny; errata; Greek & Latin text of Theophrastus; main text in 2 bks.

The work begins with the Greek fragment of Theophrastus, entitled the *Peri lithon* or *De lapidibus*, interspersed with the Latin translation of same by Daniele Furlano. The latter's translation had been published before in Hanau, 1605, but was "revised, with added variants, conjectures, etc for the Leyden 1647 edition" (Lathrop C Harper, N Y, Cat 226, 1977, no 185). Laet's text, meant to provide information additional to that in De Boodt's *Gemmarum et Lapidum Historia*, 1647, is divided into two books, the first describing the "pellucid and semipellucid" gemstones, that is to say, the usual transparent & semi-transparent gemstones of commerce, as well as some whose identities are now uncertain, while the second describes the "figured" stones or those which are shaped in curious or wondrous forms and which include ordinary fossils but also corals, geodes, enhydros, asbestos, pumice, and others. While none of the gemstones are illustrated, save for one small woodcut of the chiastolite variety of andalusite, many of the figured stones and fossils are depicted, sometimes in very good likenesses. While Laet necessarily covers much of the same ground as De Boodt, he does add new material and corrects some errors and therefore lends credence to the view that his work was deliberately written as a supplement to the De Boodt edition of 1647, and especially in view of the fact that the title of that edition refers to Laet's work as an integral part thereof. However, F D Adams, *Birth & Development Geological Sciences*, p 163, treats it as an independent work, calling it an important lapidary "written under the influence of De Boodt," and ranking it with Thomas Nichol's *Lapidary*, 1652. Whatever arguments may be advanced, it is true that Laet's work appears frequently upon the market in separate form, with the title given above, and with no suggestion that it is part of De Boodt.

LAET, J DE, see BOODT, A B DE, 1647

IOANNIS DE LAET
Antvverpiani
De
GEMMIS
ET
LAPIDIBUS
LIBRI DUO.
Quibus præmittitur
THEOPHRASTI
LIBER DE LAPIDIBUS
Græce & Latine
CUM
Brevibus Annotationibus.

LUGDUNI BATAVORUM.
Ex Officina IOANNIS MAIRI.
ANNO CIↃ IↃ C XLVII.

3747. Titlepage to Jan De Laet's treatise on gemstones which is commonly made part of De Boodt's treatise

3748. LAGACHE, H Initiation a la gemmologie. Paris: Institut National de Gemmologie, 1979, 88, xxvi p. Fr 110. Rev *J Gemm*, 17, 2, 1980, 136; not seen.

3749. LAGERCRANTZ, OTTO

Papyrus Graecus Holmiensis | (P.Holm.) | Recepte | Für | Silber, Steine Und Purpur | Bearbeitet | Von | Otto Lagercrantz | Mit Zwei Lichtdrucktafeln | [next 2 lines in frames:] Herausgegeben Mit Unterstützung Des | Vilh. Ekman'schen Universitätsfonds | [left:] Uppsala | A.B.Akademiska Bokhandeln | [right:] Leipzig | Otto Harrossowitz | [below:] In Kommission [1913]

8°: [1] f supplied + 247, [1]p; 2 fold pls of papyrus, tissue guard between, tipped to back wrap cover. Pale gray wrap, title on cover, spine, and other works of Ekman Fund on back cover. 25.6 x 16.8 cm(10 1/8 x 6 5/8 in). Uncut. Kr 8 or Mk 9. JSL.

Cont:tp; publ data; text tp; marks & signs; Greek text; commentary tp; commentary(15 chs) followed by transl of text into Ger; indexes; corrections; tab cont; pls.

The papyrus manuscript here translated and extensively annotated may be as old as the end of the third or the beginning of the 4th century BC; it is in the Swedish Acad of Antiquities, Stockholm, and is believed to be the companion to another papyrus of the Johann d'Anastasy collection in Leyden, entitled *P.Leid.X*. The present papyrus consists of 15 leaves and is called the *Papyrus Graecus Holmiensis* or *P.Holm*. That portion of the text, p 157-200, consisting of ca 70 recipes for cleansing pearls & manufacturing a variety of gemstones, is of greatest interest here to show how advanced the arts of deception had become at so early a stage in gemological history. Among the gemstones to be "manufactured" by various means are carnelian, lapis lazuli, emerald, pearl, ruby, "green stones," beryl, amethyst, chrysolite, "lychnis," jasper, sunstone, and chrysoprase, and also procedures for purifying rock crystal and pearls, etching or corroding gemstones, altering their color, or softening them, and removing color. Unfortunately, Lagercrantz provides no useful commentary on the technological merits of the recipes, but it is obvious from merely reading these recipes that by far most treatments are superficial or even cosmetic, and, in some instances, not only ineffective but actually destructive, eg, pearls. In several recipes which claim to change one gemstone into another, usually rock crystal into emerald or the like, the formulas call for pigmenting agents which penetrate fissures in the quartz and impart superficial coloration. K Nassau, *Gemstone Enhancement*, p 81-12, provides an extended commentary with extracts from this work.

LAGERLÖF, PETRO (1648-1699)

Swed archeol; prof eloquence Uppsala U; historiographer to King of Sweden. *N Biogr Gen*, 28, 823.

3750. -----1686

Divina adfulgente Gratia! | Natura | Gemmarum | leviter adumbrata, | Quam | Consentiente Ampliss, Facult. Philosophica in | inclyta, quae Upsaliae est, Academiâ | Praeside | Aplissimo Clarissimoq3 Viro, | Dn. Petro Lagerlöf | Poës. Professore Ordinario, | Candidae bonorum censurae | Submittit | Johannes Gezelius G.F. | Sch. Narv. C. Rector. | In Audit. Gust. Maj. | ad d. V. m. Maji, An. CIↃ IↃ CLXXXVI. | [rule] | Holmiae, excusa â J.G. Eberdt. [Stockholm, 1686]

8°: [10], 23, [5]p; a^4, b^2, A^8, B^4, C^2. BM(NH) (xerox copy only). A general doctoral dissertation on gemstones: nature, origin, properties, color, etc.; cites Robert Boyle and other contemporaries.

3751. LAJARD, FELIX Introduction à l'étude du culte publique et les mystères en Orient et en Occident. Paris, 1847. Not seen. "It is a large folio volume of plates and was followed by a stout posthumous octavo volume of text published by the Imperial Press [of Paris] in 1867. The plates in the first volume number 110, of which 40 contain drawings of 276 cylinders, besides numerous engraved cone seals and other objects that would illustrate the author's theory that all these designs had to do with the worship of Mithra. The drawings are excellently made in fine outline, enlarged, and the value of this collection from every available source can not be overestimated. It remained, until the publication of M. de Clerq's collection, the chief source of information on the subject of cylinders." W.H.Ward, *Seal Cyl of West Asia*, 1910, p 15, which see.

LAMBEL, H, see VOLMAR

LAMBERTI, U & SINCLAIR, R A, see BANK, H, 1966

3752. LAME, C C

Star Garnet And Opal | From | Idaho - The Gem State | [3 stars] | How To Find And Cut Them | [3 stars] | A Guide For The Gem Hunter | By C.C.Lame | Professor of Education | Northern Idaho College of Education | Lewiston, Idaho | First Edition on May -- 1953 | Copyright May -- 1953 |... [3 lines] ... | Price $1.00

Centerstapled: 16 p, 3 sketch maps, wraps, 21.7 x 14 cm(8 1/2 x 5 1/2 in), cut. JSL.

Two sketch maps for star garnet collecting sites and one for precious opal in Whitman County, Washington; instructions for mining and cutting. Text padded with extraneous information.

3752A. LAMM, CARL JOHAN Mittelalterliche Gläser und Steinschnittarbeiten aus dem Nahen Osten... 2 vol, Berlin: D.Reimer, 1930, '29. (Forschungen zur Islamische Kunst... Bd 5). Not seen; from R Ettinghausen, *The Unicorn*, biblio, p 179, which see.

3753. LAMOTTE, JEANNE DE LUZ DE SAINT-RÉMY DE VALOIS, Comtesse de (ca 1750-1791) Mémoires justificatifs de la Comtesse de Valois de la Motte. By Herself, London 1788. Not seen. Recounts and justifies her role in the celebrated "Affair of the Diamond Necklace," at the court of Marie Antoinette.

3754. -----1789, Engl transl Memoirs... containing a complete justification of her conduct... London, 1789. 8°: 261 p, 1 f, 48 p. Not seen, from William H Allen, Philadelphia, Cat 260, 1983, no 119, which adds "the countess's authorship or these "memoirs" is open to serious doubt, but her participation in the Affair of the Diamond Necklace... is not. A signature of "Comtesse de Valois de la Motte" appears on page 261, but such signatures vary from copy to copy. This is the second English edition, the first having appeared in Cambridge in 1788."

3755. LAMY, P M Cabinet de pierres antiques gravées, ou collection choisie de 216 bagues et de 682 pierres Egyptiennes, Etrusque, Grecques, Romaines, Parthiques, Gauloises, etc... Paris, 1778, 2 vols in one; many illus, small 4°. Not seen, from a London cat of Jan 1973.

LANCISI, G M, see MERCATI, M

3756. LANÇON, HONORÉ

L'Art | Du | Lapidaire, | Par Honoré Lançon, | De Septmoncel (Jura), | Membre De La Société D'Encouragement Pour | L'Industrie Nationale. | [star] | Paris, | Garnier, Libraire, Palais-Royal, | En Face La Cour Des Fontaines. | 1830.

8°: viij, 323, [1 advert]p. Pale brown wrap, title in orn frame on cover; spine title; advert back cover in similar frame. 18 x 11.2 cm(7 1/8 x 4 1/2 in). Uncut. USGS Kunz Coll, GS 33-257.

Cont; 1/2tp; tp; pref; text; append; tab cont; advert.

Misleading title: author says much about general gemology but very little about the actual art of cutting gems. Treats gemstone properties, optical properties & special phenomena, descriptions of gemstones according to three classes: 1) gemstones harder than quartz, 2) those as hard or softer than quartz, and 3) gemstones comparable in hardness to glass or even less hard. A table of gemstones properties is provided. The appendix is a lengthy discussion of artificial gemstones and the manufacture of glasses, with formulas, the cutting of the diamond and other hard stones, cutting other gemstones, styles of cut, the lapidary's "mill" or lap(a very brief statement), abrasives and polishing agents, and last, the change in color of smoky quartz by heat treatment to colorless, and amethyst to citrine by the same means.

3757. LANDERO, C F DE La esmeraldas y otras gemas glucinicas. *Memorias y Revista de la Sociedad Cientifica 'Antonio Alzate*,' Mexico, 42, 1923, 473-88. Not seen.

3758. LANDMESSER, MICHAEL Das Problem der Achatgenese. *Mitteilungen Pollichia, Verein für Naturforschung und Landespflege*, Bad Dürkheim/Pfalz, 72, 1984, p 5-137, 109 ill(35 photos in col), 2 tab. Also separate; own tp: in thick pale yellow print wrap, 23.3 x 15.7 cm(9 1/8 x 6 1/8 in). Cut. Glossy paper. The most thorough study of the genesis of agate yet to appear. Considers every type of agate: concentrically banded, parallel banded, deformed bandings; moss agates; membranous structures, and others which may incorporate several types in one specimen. Richly lllustrated, mainly in photographs, with a considerable number showing thin-sections or highly magnified surfaces; bibliography, p 127-37, ca 270 entries(monographs & articles). Abstracts in Engl & Fr.

3759. LANDSBERG, A B FREIHERR VON(d 1868) Das grüne Gewölbe in Dresden. Dresden, 1831. Not seen; given as first edit by Menzhausen, *Das grüne Gewölbe*, 1968.

3760. -----1853

Das | Grüne Gewölbe | in | Dresden. | [rule] | Von | A.B.v.Landsberg, | Major v.d. Armee und Director am Grünen Gewölbe. | [orn rule] | Dreizehnte vermehrte Auflage. | [double rule] | Dresden, 1853. | Druck von Julius Blochman jun. | Schlossgasse 23.

8°: IV, 122 p. Green paper wrap, title in elaborate cover frame; similar frame back cover enclosing an orn. 19.5 x 13 cm(7 3/4 x 5 1/8 in). Cut. JSL.

Cont: tp; tab cont; introd; 8 "cabinet" or room descriptions.

The introduction to this guide to the famous art objects collection assembled by the rulers of Saxony describes how the collection originated, its history, and the value of the pieces. The text is divided into eight sections corresponding to the rooms in which the objects are assembled and displayed. Many of the pieces are made from gemstones, wholly, or in part. Objects are bronzes, ivories, objects made from shell, coral, nacre, amber, mosaic & enamel, also table & other ornamental pieces, many made from precious metals and incorporating gemstones, clocks, "costly" vessels of various kinds made from gem materials, objects made from baroque pearls, crown insignia, objects made of wood, alabaster, wax, coconut and other curious materials, and, lastly, Dinglinger's pieces along with arms, orders of knighthood, souvenirs, favors, and jewels. Many of the outstanding pieces bear numbers and are specially described in the text along with notes on their features, use of odd materials, etc.

3761. -----1857 La gruene Gewoelbe à Dresde, ou trésor royal d'objets précieux; par... 5th edit, Dresde: Impr. de

E.Blochmann et Fils. 92 pp, 8vo, 1857. Not seen; from LC card.

3762. LANDSBERG, A B VON & GRUNER, WILHELM HEINRICH LUDWIG(1801-1882), Editor Das Grüne Gewölbe zu Dresden. Eine Folge ausgewählter Kunstwerke dieser Sammlung nach den Zeichnungen von R.Seidmann und E.Mohn, mit erklärendem Texte de Major Baron von Landsberg-...Herausgegeben von Ludwig Gruner... Dresden, Konigl. Hofbuchdr. von C.C.Meinhold und Söhne, 1862. i p, 1, ii p, 28 l, front(mounted portr), xxviii mounted plates(partly colored). 39 cm. Not seen: from LC 12-12344. Vinet, 1965, gives "Dresde, Burdach, 1862, in-fol., iv pp. et 28 ff. de texte, avec 28 chromolith. et 1 portr. photogr."

3763. -----1862, Engl edit

The Green Vaults | Dresden. | [taper rule]| Illustrations Of The Choicest Works | In That | Museum Of Art. | [wavy rule] | Executed In Lithochromy By Storch And Kramer From Drawings By Seidemann And Mohn. | With Descriptions By Major Baron Von Landsberg And Alexander Allen Esq. | Edited By | Lewis Gruner | Author Of Illustrations Of "Fresco Decorations" "Specimens Of Ornamental Art" Sculptures of "Orvieto Cathedral" & c. | And Of Capella Ghigiana "H.M.Pavilion In The Gardens Of Buckingham Palace" and Other Similar Works | [rule] | Dresden | C.C.Meinhold And Sons. | 1862.

2°: [2 blank]f + blank f with actual photo paste-on with blank f guard + title f, III p + [28]f letterpress, each such f followed by a blank guard f & plate(4 pale brown engrav reproductions, 24 col lithos, all paste-ons) + [2 blank]f. The pls in various sizes & proportions. JSL copy in special full leather binding, gilt, 6 raised bands, marbled endp, aeg. 38.3 x 29.5 cm(15 1/8 x 11 5/8 in). Cut.

Cont: [2 blank]f; pl; blank f; tp; pref (by Allen); text & pls; [2 blank]f.

The frontispiece portrait photo is of Johann Melchior Dinglinger(1664-1731), court goldsmith, 1698, to August the Strong of Saxony, while the color plates, made from watercolor renderings, are splendid representations of selected important objects of art in the collection, including ivory carvings, shell & nacre vessels, precious metal objects inset with nacre panels, vessels of jasper and other stone, rock crystal ewers and goblets, and miscellaneous small objects fashioned from precious metals, enamels, and gemstones. The four monochromes in pale brown are reproductions of line engravings of other objects not deemed colorful enough to be worthy of polychrome treatment. Vinet, 1965, states "les planches sont d'une merveilleuse beauté. Lamais l'art de la lithochromie n'a été poussé plus loin." Each plate with text leaf description by Landsberg and Allen. Seidemann, R; Mohn, Ernst Furchtegott(1835-).

3764. -----1876, another Engl edit

The Green Vaults | Dresden | Illustrations of the Choicest Works | In That | Museum of Art | Executed in Chromolithography By Storch And Kramer, From Drawings by Seidemann And | Mohn; With Numerous Engravings On Wood | The Preface And Descriptions By Alexander Allen, Esq.; And A History Of The | Green Vaults And Their Contents By Professor Gruner | Director Of The Royal Museum, Dresden, &c, &c. | Edited By | Professor Gruner | Author Of "Illustrations Of Fresco Decorations," "Specimens Of Ornamental Art," "Sculptures Of Orvieto Cathedral | And Of Capella Ghigiana," "H.M.Pavilion In The Gardens Of Buckingham Palace," And Other Similar Works | London | Virtue And Company, Limited, Ivy Lane | Paternoster Row | 1876

2°: xiii(first f blank); 26 p + [28] f letterpress, each followed by blank f guard & pl, as in prev edit; front portr pl of Dinglinger tip-in; 21 wood engrav. Pebbled red cloth, gold title enclosed in floral border of black with outer single-rule border in gold on cover; gold lett, etc on spine; back cover blind borders only; beveled bds, Bright yellow endp. 38.2 x 30.1 cm(15 x 11 7/8 in). Aeg. JSL copy damaged; uncertain if front blank leaf originally present.

Cont: blank f(?); 1/2tp; front portr pl with guard; tp; publ data; pref; introd; ill list of pls only; text; pls.

The text wood engravings depict additional objects with that on p 23 showing the famous "Dresden Green diamond," in and out of its mounting.

3765. LANDSEER, J The engraved gems, brought from Babylon to England by Abraham Lockett, Esq., secretary to the college of Fort William in Bengal, considered with reference to early scriptural history. *Archaeologia*, 18, 1817, 371-84. Not seen; from H H Von Der Osten, 1957, 217.

LANEY, F B, see WATSON, T L, et al

3766. LANG, HANS & SCHNACK, FRIEDRICH

Das Kleine Buch | Der | Edelsteine | Farbige Bilder Von | Hans Lang | Geleitwort | Von Friedrich Schnack | [rule] | Im Insel-Verlag · Leipzig [1938; title in double-rule frame] [Insel-Bücherei Nr.54]

8°: [1], [1 blank], [1], [1 blank], 39, [1]p + 4°: 24 col pls, paged accordingly & includ in pag, bound-in. Crystal-group patterned paper over bds, green-rule panel on cover enclosing title & series no; title on paper spine label. 18.1 x 11.6 cm(7 1/8 x 4 1/2 in). Cut. Also issued in similar paper wrap. JSL.

Cont: logo; tp; pls; text tp; text; pls explan; credits & publ data.

Beautiful watercolor drawings by Lang, a professional artist, showing cut and/or rough gemstones, and forming the main attraction of this booklet. The text by Schnack is brief and stresses attraction & lore of gems. Rev B W Anderson, *The Gemm*, 8, 94, 1937, 164-5.

3767. LANGE, G

Die Halbedelsteine | aus der | Familie der Quarze | und die | Geschichte der Achatindustrie | von | G.Lange | in Jdar. | [orn rule] | Kreuznach, | Druck und Verlag von R. Voigtländer. | 1868.

8°: [3], [1 blank], 100, [1], [1 blank]p. 21 x 14.3 cm(8 1/4 x 5 3/8 in). Cropped. Original wrap or cover not known. BM(NH); USGS Kunz Coll, GS 33-294.

Cont: tp; tab cont; text; concl; tab; errata; blank p.

Outstanding, thorough, and one of the best popular monographs on members of the quartz family, devoted principally to the numerous varieties of cryptocrystalline quartz, eg, agates, jaspers, chalcedonies, etc, although the crystalline varieties are not neglected. The first part describes the nature of agate, its properties, bandings, occurrences, nodules and their structure, and origin, with references to the literature and providing an especially valuable review of the often-conflicting views taken by

various writers on the subject of chalcedony & nodular genesis. Next is given the history of agate in antiquity, the Middle Ages, and further, treating nomenclature, varietal names, other quartz family members, engraved gems, curious lore, and other quartz-related topics. A large and important section follows in which the history and organization of the agate-cutting industry of Idar-Oberstein in Germany is traced from its inception to modern times, with references to previous writings, and forming a fundamental contribution which is often referred to in later literature. Included are descriptions and discussions of the agate nodule deposits of South America and how their discovery and exploitation rescued the German industry from a severe depression due to the lack of this favored raw material from local sources. Also to be found in this comprehensive work are remarks on the kinds of work accomplished in the Idar industry, and the techniques used to dye agate.

3768. LANGE-MECHLEN, SUSANN

Susann Lange-Mechlen | Edelstein | Brevier | Die härteste Wahrung der Welt- | unter die Lupe genommen | Belser Verlag [Stuttgart, 1976]

4°: 120 p; 26 col photos, ca 95 fig, sketch map, diagrs, tabs. Thick plasticized red paper wrap; col photo on cover & gold title; gold spine title; photo & vita of author back cover. 23.5 x 20.7 cm(9 1/4 x 8 1/4 in). Cut. ISBN 3-7630-1302-2. JSL.

Cont: 1/2tp; tp; publ data; tab cont; photo; fwd; 8 chs; biblio(p 113, 12 entries) & photo credits; index.

A work designed to assist the reader in choosing and buying gemstones although by far most space is devoted to the diamond. There are general introductory remarks, mostly on the diamond, and material on occurrences and cutting, with a short chapter on the diamond trade and an important chapter on the quality marks of cut diamonds, and how these are recognized and applied to an assessment of a stone's worth, along with appropriate illustrations. Also discussed: imitations, substitutes for diamond, gems as investments, and brief remarks on other gemstones and pearls but lacking any specific guides for determining their quality as was done for diamond.

LANGEN, J, see NICHOLS, T, 1675, 1734

3769. LANGENHEIM, JEAN H Present status of botanical studies of ambers. *Botanical Museum Leaflets, Harvard U*, 20, 8, Cambridge, 1964, 225-87, Pls XL-XLV(photos, map, diagr). 22.9 x 15.5 cm(9 x 6 1/8 in). Also separate. JSL. Because ambers are vegetable in origin, one would suppose that botanists had been in the forefront in studying tree sources of the resins, and subsequent changes in the resins. However, this has not been the case, and the reasons therefore are admirably summarized herein. Topics covered: classification of ambers, outstanding amber sources, Baltic amber, the Chiapas, Mexico amber, how scientific knowledge of amber was developed(primarily by geologists & mineralogists), where future studies should be directed to better identify the tree sources of the original resins. An important feature: 114 references.

3770. -----1965, with BECK, CURT W Infrared spectra as a means of determining botanical sources of amber. *Science*, 149, 3679, 1965, 52-5, 4 fig, JSL.

3771. -----1967 Preliminary investigations of *Hymenaea courbaril* as a resin producer. *J Arnold Arboretum*, 48, 1967, 203-27, Pls I-III. Not seen.

3772. -----1968 Catalogue of infrared spectra of fossil resins in North and South America. *Bot Leaflets, Harv U*, 22, 3, 1968, 65-120. JSL.

3773. LANGENHEIM, JEAN H Amber: a botanical inquiry. Amber provides an evolutionary framework for interdisciplinary studies of resin-secreting plants. *Science*, 163, 1969, 1157-69, 8 fig. Also in offprint: print wrap, 2 photos, graph traces, 27.5 x 21.5 cm(10 7/8 x 8 1/2 in). JSL. Briefly identifies amber & related resins chemically, reviews past identification methods of tree sources, describes new methods of examining resins, both fossil and modern, by use of transmitted infrared radiation, and how comparisons of wavelength traces aid in classifying resins according to tree sources. The method is most promising. An important list of 92 references.

3774. LANGENHEIM, R L, SMILEY, C J & GRAY, JANE Cretaceous amber from the Arctic coastal plain of Alaska. *GSA Bull*, 71, 1960, 1345-56, 2 fig. "Amber is widespread in association with coal and carbonaceous shale... fossil insect inclusions are rare... the amber is generally associated with taxodiaceous fossils and is thus considered of taxodiaceous origin." Fig 1 shows collecting sites in Kuk River drainage. 15 references.

3775. LANGFORD, ROLAND E A study of the origin of Arkansas diamonds. Athens: *U Georgia PhD Thesis*, 1974, Not seen.

LANIER, H W, see BERGE, V

3776. LANLLIER, JEAN & PINI, MARIE-ANNE Cinq siècles de joaillerie en Occident, Préf de G.Boucheron. [Fribourg] Office du Livre; Paris, Bibliothèque des arts [1971]. 336 p, 310 ill(59 col). Not seen, from Arntzen P 588. Lanllier was Secty-General, Syndicate Precious Jewelry, France; Pini, art historian,

3777. -----1983, Engl transl

Five Centuries Of Jewelry | In The West | by Jean Lanllier | and Marie-Anne Pini | Preface | by G.Boucheron | [logo] | Leon Amiel Publisher | New York [1983]

8°: 327, [1 blank]p; 59 col & 255 b&w ill(mostly photos). Pale blue unfin cloth, gilt spine title; col dj with vitas & resume. 27.2 x 24.6 cm (10 3/4 x 10 3/4 in). ISBN 0-8148-0729-1. Remaindered 1985 @ $29.95. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref; fullp ill; ackn; text tp; 6 chs; biblio(p 325-6, 65 entries); photo credits; blank p.

Standard history of jewelry in the Western World, from the Renaissance into moderm periods as Art Nouveau, Art Deco, and with a chapter on jewelry designed by artists such as Dali. The gemological information is concentrated in the first chapter, treating diamond, to which most space is allocated, and also ruby, sapphire, emerald, and pearl. Further gemological remarks and illustrations appear elsewhere, eg, Ch 5, "Twentieth Century," where some famous gems and jewels are briefly noted.

LAP-BEERMAN, J A, see SPRONSEN, E A VON

3778. LAPHAM, DAVIS M & GEYER, ALAN R Mineral collecting in Pennsylvania. *Pennsylvania Geol Survey Bull* G 33, 1959. Printed wrap, [2], 74 p, 1 fig, 29 sketch maps, 28 text sketches. 22.9 x 15.4 cm(9 x 6 in). Cut. JSL. Field trips to collecting sites; gem materials are copper in metarhyolite, blue quartz, moonstone, agate, serpentine. Second edit, 1965, printed wrap, [4], 148, [2 blank]p; 72 ill, 52 sketch maps & geol ill, Adds a section on how to tumble polish agates. Third edit, 1969, printed wrap, vi, 164, [2 blank] 68 fig, 60 maps. New localities added. Fourth edit, 1976, described under GEYER, A R, which see. A 60-9112.

LAPIDARIO DEL REY D ALFONSO X, see ALFONSO X

LAPIDARIUM OMNI VOLUPTATE.

Author said to be Martin Steinpeiss or Steinpreis(d 1527), famous Viennese physician, who was ten times dean of Medical Faculty of the university. See Lathrop C. Harper catalogue below.

3779. -----1512(?)

Lapidariũ omni voluptate | refertũ: & medecine pluri= | ma notatu dignissima | experiméta có= | plectens. | Opvs De Lapidibvs Pre- | clarú: miraq$_3$ uoluptate refertú: in quo | de singulis lapidibus nedum pciosis: | uerũ eciam de reliquis quibus uirtutis | aliquid inesse cóstat: & de pciosorum | lapidum sophisticatione: & naturaliũ | ac artificialium discretione: notatu di | gnissima reperies: per quendã artiũ ac | medicine doctore editũ atq$_3$ collectũ. [title in Gothic; text in Roman; at end: Vienna: Johann Winterburger, nd, ca 1509]

Title from a reproduction in Adams *Birth and Development Geol Sciences*, 146; also comments & additional information from Lathrop C Harper Catalogue 226, 1977, no 189. Title identical to USGS Kunz Coll.

4°: [28] f; a-g^4. 18.8 x 14.2 cm(7 3/8 x 5 5/8 in). Cropped(USGS copy).

Cont: tp; pref; text; colophon.

Adams: "this is an interesting lapidary of which very few copies are known to exist. Dolch-Langer knows only three copies, those in the Glasgow Hunterian Museum, the British Museum and the Munich Staatsbibliothek. There is a fourth copy in the Adams Collection at McGill University and another in the Kunz Collcction, U.S.Geological Survey Library. It is a small quarto volume of 28 unnumbered leaves, is believed to have been written by Steinpreis and was printed shortly after the year 1500, probably about 1510. In the opening paragraph the author states that he has two objects in writing the book, first to give such information concerning the various minerals as will enable them to be recognized, and second, to set forth their origin, virtues and properties." Quaritch *Catalogue of Works on Natural History*, London, 1881, p 383, no 3776, "a curious work, equally interesting as the First Book upon Gems, and as a rare impression of the early press of Vienna." In two parts, the first of 12 short chapters, treats virtues and properties, in which the author firmly believed, even going so far as to say that those persons who deny such virtues blaspheme God. The second part lists and describes 117 stones in alphabetical order for which most of the information consists "largely of quotations from Albertus, Serapion, Pliny, "Dyast," Evax and Avicenna. Indeed a large portion of it is a direct and verbatim copy from Albertus Magnus" (Adams, ibid, 147). Many of the stones are gemstones.

3780. LAPORTERIE, PIERRE

Le Saphir, | L'Oeil De Chat, | Et | La Tourmaline | De Ceylan | Démasques. | [rule] | L'Astérie, qui exprime l'Etoile à six rayons: L'Astérie-lunaire à Goutte lumineuse; le |... [15 more lines]...| Par Pierre Laporterie. | [rule] | A Hambourg. | Chez J.M.Michaëlsen, Imprimeur, rue des Bleichen. [nd, ca 1786]

The date appears on an advertisement supplied with the text.

4°: VIII, 71, [1]p + [2 advert]p tipped to final f;)(4, A-I^4. 22.6 x 18.3 cm(9 x 7 1/4 in). JSL.

Cont: tp; tab cont; index; 16 chs; errata; advert.

Laporterie describes and explains the reflective light streaks observed on certain corundum gems, notably on tke star sapphires of Ceylon, with remarks on the tourmaline from that country and its properties. Laporterie noted straight-sided banding in star corundum gems which he interpreted as alignments of triangular corundum crystals within a "matrix" of another mineral, and that when the light shown upon a cut gem it caused electrical discharges to occur at intersections of such regular inclusions and thus produce the typical bright streaks. Other views on the cause of asterism are cited. Many specimens are described in detail, along with remarks on internal structures observed and a theory that the star stones form through a series of growth and alteration cycles as evidenced by the straight bands noted within them. He attempts, furthermore, to use the reasoning applied to the star sapphire to other stones which also show reflective phenomena. The final chapter describes the brown Ceylon tourmaline, its relation to other tourmalines and gemstones, and its electrical properties. Appended to the text is a leaf of prices per carat in the currency of Hamburg for specimens of sapphire in large variety and for representative collections, some stones displaying the effects described. These offers are keyed to appropriate places in the text. The substance of this essay also in *Ann Chemie* von Crell, Jg 1786, Bd 2, St 8, p 187-8. Laporterie's theories discussed by J M Güthe, *Ueber den Astrios-Edelstein*, 1810, p 35-6, 57-8, which see.

The following two short contributions by Laporterie are sometimes cited as independent works, which they may have been, but they commonly are bound up together with the above. All are rare.

3781. -----1786

Explication de la Planche, | qui représente plûsiers va- | riétés de la Pierre aux Etoi- | les mouvantes,*) ainsi que sa | Cristallisation. [Signed:] Hambourg, en Avril, 1786. | Par le tres respectueux | Pierre Laporterie, | Bourgeois de la Ville de Hambourg, Auteur | de la Découverte, Possésseur des Pierres | à l'Etoile mouvante à six raïons &c. ainsi | que des deux Collections dont il est fair | mention dans la Note.

4°: 13, [1 blank], [2]p; A-B^4; 2 engrav pls. 22.6 x 18.3 cm(9 x 7 1/4 in). Cut. JSL.

There are 19 cut gems on the first plate, all displaying asterism and/or growth bands with several crystals of natural form; these are described in the text. One of these specimens shown on the plate as issuing a series of light rays, is described in the next paper with an enlargement of same on the second plate.

3782. -----1786

Explication de la Planche, qui | représente le Hérisson solaire | et la Pierre, qui le produit. [signed:] Hambourg, en Mai, 1786. | Par l'Auteur de la Découverte | de la Pierre aux Etoiles mou- | vantes.

This article appears on the last leaf of the above but is unpaged. It describes minutely the strong reflection of light from one of the gems depicted on the first plate and provides another plate showing the phenomenon enlarged and with two small figures of bandings within the stone.

3783. LARRABEE, DAVID M Serpentinite and rodingite in the Hunting Hill quarry, Montgomery County, Maryland. *USGS Bull 1283*, 1969, printed wrap, IV, 34 p, 2 maps in pocket, 13 fig(one in col), 5 tabs. 23.2 x 14.9 cm(9 1/8 x 5 7/8 in). Cut. JSL. Rodingite, essentially composed of green chromian diopside and orange-red grossular, with zoisite & clinozoisite, provides an attractive massive ornamental material.

LARRABEE, D M, see CAMERON, E N, et al

LARSEN, ESPER SIGNIUS(1879-1961) & SHANNON, EARL V

E S L USA mineralogist/geologist; b Astoria, OR; BS U Calif 1906, PhD 1918; to Geophys Lab, Wash D C, thence to USGS; fac Harvard U 1923. Mem *Amer Min*, 47, 1962, 450-9.

3784. -----1930 The minerals of the phosphate nodules from near Fairfield, Utah. *Amer Min*, 15, 8, 1930, 303-7, 3 fig, 2 pls. Describes numerous minerals associated with the splendid green, massive variscite of gem quality occurring in nodules at this classic locality. See also, E Larsen, 3rd, "The mineralogy and paragenesis of the variscite nodules from near Fairfield, Utah," ibid, 27, 4, 1942, 281-300, 2 tab & no 5, 350-72, 6 fig & no 6, 441-51.

LA RUE, FRANÇOIS, see RUEUS, F

LASAULX, ARNOLD CONSTANTIN PETER FRANZ VON (1839-1886)

Ger mineralogist/geologist; PhD; from 1880 prof mineralogy & geol Bonn Univ. Pogg 4, 840.

3785. -----1885 Über das optische Verhalten und die Mikrostructur des Korund. *Zs Krist*, 10, 4, 1885, 346-65, Pl XII; also in print wrap offprint. JSL. Examines optical properties specimens of corundum from many localities, including Ceylon, to determine if the anomalous biaxiality reported by others indeed exists; concludes that the mineral is truly uniaxial, hexagonal, and anomalies due to modes of crystal growth & irregularities in structure. The plate shows inclusions, zonings, partings, etc.

LASHKEVICH, ANTONII, see SBORNIK NARODNIHO MUZEA

LA TAILLE, JEAN DE, see TAILLE DE BONDAROY, JEAN DE LA

3786. LATIF, MOMIN, et al, editors

Bijoux | Moghols | [rule] | Mogol | Juwelen | [rule] | Mughal | Jewels | Momin Latif. [Bruxelles: Société Génerale De Banque, 1982]

Title in white lett, placed inside white-ruled frame upon pale brownish-gray background; text titles similar. Parallel texts in Fr, Dutch, Engl.

Oblong 8°: 212 p; 113 col & 112 b&w photos; 2 col maps. Bright red glossy wrap, inward folding flaps, col photos front cover, white spine title. 20.9 x 23.8 cm(8 1/4 x 9 3/8 in). JSL.

Cont: tp; ackn; dates; ackn; text; biblio(p 209-11, ca 180); publ data.

Splendid, invaluable reference on this rarely treated subject, and providing the best modern information. "The Mughal Emperors," 5-36, by J & J P Schotsmans; "Jewellery in India," 37-56, is unsigned;"Enamel in Indian Jewellery," 57-84, by Z Zamoyski, is outstanding, meticulously illustrated; "Craftsmen, Tools and Techniques," 85-116, is also fine but unsigned; "Medallions and Portraits Shast and Jharoka," 117-37, also unsigned; also several short articles on India in the Renaissance period and jewels and miniatures. The catalog of the exhibit, p 149-208, describes 126 pieces. There are no sections which specifically discuss gemstones but these are by no means ignored and frequently appear either as pure objects of ornamentation or because of their curative, protective, or religious significance.

3787. LA TOUCHE, T H DIGGES The sapphire mines of Kashmir. *Rec Geol Surv India*, Calcutta, 23, 1891, 59-69, pls VII-IX, plan, Not seen.

3788. -----1918

A Bibliography | Of | Indian Geology And Physical Geography | With | An Annotated Index | Of | Minerals Of Economic Value | Compiled By T.H.D. La Touche, M.A., F.G.S., Fellow of | the Asiatic Society of Bengal. | [rule] | Published by order of the Government of India. | [rule] | Calcutta: | Sold At The Office Of The Geological Survey Of India, | 27, Chowringhee Road. | London: Messrs. Kegan Paul, Trench, Trübner & Co. | [rule] | 1918

"Part II.- An Annotated Index | Of | Minerals Of Economic Value"

8°: [3], [1 blank], ii, 490 p. Print wrap, title on cover. 25.8 x 17.6 cm(10 1/8 x 6 7/8 in). Cut. JSL. LC 19-17880.

Cont: tp; Part II tp; introd; errata sheet tip-in; references & prod statistics; text.

The text is alphabetical by mineral, and cross-referenced, consisting mainly of extracts from publications on localities, mines, deposits, quantity and quality of minerals recovered, and other pertinent data, being careful to correctly identify references as given just ahead of this section. Gemstones included are amber, gemstones in general, p 152-85, diamond, a fine section, p 158-70, and others as quartz varieties, apatite, beryl, chrysoberyl, peridot, garnet, iolite, kyanite, lapis lazuli, opal, corundums, spinel, tourmaline, turquoise and zircon.

3789. LATTEUX

Mission du Ministère de l'Instruction publique | [orn] | A Travers Le Brésil | [orn]] Au | Pays de l'Or | et des | Diamants | Par | Le Dr Latteux | Chef du Labratoire de Clinique gynécologique de la Faculté de Paris | a l'hôpital Broca | [wavy rule] | Ouvrage illustré avec 180 gravures et 8 planches coloriées hors texte, | [orn] |...1910

8°: 430, [2 blank]p; front heliograv pls tip-in, tissue(author portr); 179 photos, 8 tip-in col pls(5 of plants, litho, 3 of gemstones, hand-col). White paper wrap, gold nugget & red title on

cover. Also bound in 1/4 green morocco, yellow marbled paper sides, patterned blue-gray endp, 24 x 15.7 cm(9 1/2 x 6 1/4 in). Cut, cropped. JSL.

Journal of the author's visit to Brazil, including visits into the interior. Ch 12, 291-329, on geology & mineralogy of Brazil, and containing a summary of gemstone resources with brief descriptions of species and varieties, sources, etc, all of the material being borrowed from *Le Bresil, ses richesses naturelles, ses industries*, Paris, Aillaud et C^{ie} 1909. There are 3 originally black & white photo plates but now hand-colored in part and depicting topaz, tourmaline crystals, and a nugget of gold, the last hand-colored also.

LAUFER, BERTHOLD (1874-1934)

USA anthropologist, orientalist; b Cologne, Ger; educ U Berlin 1893- 5; PhD U Leipzig 1897; to USA 1898; LLD U Chicago 1931; led Jesup North Pac Expedit 1898-9; Jacob Schiff Expedit to China 1901-4; ethnologist Amer Mus Nat Hist NY 1904-6; lect U Columbia 1905-7; to Field Mus Nat Hist Chicago 1908; led Blackstone Expedit Tibet & China 1908-10; Marshall Field Expedit China 1923; pres Amer Orient Soc 1930-31; linguist, collector, prolific writer, collected oriental bks & mss for Newberry and John Crerar libraries, Chicago. K S Latourette, *Nat Acad Sci Biogr Mem*, 18, 3, 1937, 41-68, portr; DAB 21, 486-87.

3790. -----1907

Volume I Part 3 | Memoirs Of The | American Anthropological | Association | Historical Jottings On Amber | In Asia | By | Berthold Laufer | Lancaster, Pa., U.S.A. | The New Era Printing Company | February, 1907 [title in frames on wrapper cover]

8°: p 211-244 + [1 blank]f; pale brown wrap, title on front cover, adverts other surfaces. 25 x 16.5 cm(9 7/8 x 6 1/2 in). Uncut. JSL. LC 8-11467.

Examines early Chinese literature, mainly encyclopedic works on natural history and medicine, also translations of Chinese works by European authors, and from these develops the argument that the use of amber in the Far East was widespread, with the amber obtained in earlier periods from Burma, and later, indirectly, from the Baltic.

3791. -----1964, facs, New York "Reprinted with the permission of the American Anthropological Association from a copy in the collections of the New York Public Library," by Kraus Reprint Corporation, 1964. Edgestapled, pale blue print wrap, cover title. 22.8 x 15 cm(9 x 5 7/8 in). Cut. LC 8-11467. JSL.

3792. -----1912

Field Museum Of Natural History. | Publication 154. | Anthropological Series. Vol. X. | [rule] | Jade | A Study In Chinese Archaeology And Religion | By | Berthold Laufer | [rule] | The Mrs. T.B.Blackstone Expedition | [logo] | Chicago, U.S.A. | February, 1912.

8°: [4], xiv, 370 p; 68 tip-in photo pls(6 col, one with blank tissue); 24 with printed tissues, 4 with blank tissues; 204 fig. Black or very dk blue buckram, gold lett & rule on spine. 22.9 x 15.4 cm(9 x 6 1/8 in). Cut. Teg. Also in gray, print wrap, uncut. LC 12-15552. JSL.

Cont: ser tp; tp; pref; tab cont; ill list; intro; 12 chs; appends; biblio(355-6O, 81 entries); index.

In respect to size, scholarship, detail, and importance, this is truly a monumental work. It is almost exclusively on Chinese jades but mentions other jades only in the introduction. D'Argence, *Chinese Jades, Avery Brundage Coll*, p 10, calls the studies of Wu Ta-ch'eng for China and those of Laufer for the West "epoch-making" and "the starting points of genuine scientific interest in the field." Laufer begins his book with a large introduction based on a miscellany of notes, considering such topics as the jade question in which (with his typical lack of diffidence which proved so annoying to his contemporaries!) he vigorously asserts that "nothing could induce [him] to the belief that primitive man of Central Europe incidentally and spontaneously embarked on the laborious task of quarrying and working jade"(p 5). He makes this statement to support his conviction that ancient trade routes brought knowledge of jade and its virtues as a raw material to Europe and that the indigenes did not always discover this for themselves. In another part of the introduction, he compares the Bishop Collection in New York and the Blackstone Collection in Chicago, the latter rich in the anulets of the dead, many examples of which were published for the first time in the present work. He also provides detailed comments on five ancient Chinese books on jade as well as on later works which treat jade in part. Here he recognized, as a linguist, the problems of changes in language, hence changes in meanings in regard to uses and symbolism of certain ancient jades. Wills, *Jade of the East*, 31-3, states that Laufer "strove nobly to pick his way through the accumulated misconceptions and fictions of several centuries, and to identify and date the early jade that came to his notice. It was a daunting task. The majority of the pieces were without documentation of any kind." On the other hand, Wills notes that one of the principal works upon which Laufer depended, the Kü yu t'u p'u, was declared a forgery as long ago as 1789, but was accepted as authoritative by Laufer and Bushell. In this section also appear Laufer's comments on the massive Bishop Jade catalog of 1906, in which he takes Bushell to task for the uncritical acceptance of a modern work by Chinese scholar T'ang Jung-tso, which see. Laufer closes his introduction with an excellent survey of jade sources, citing liberally from ancient and modern authorities and providing furthermore, remarks on the alteration of jade as a result of long burial.

The text of twelve chapters, all abundantly annotated and supplied with numerous references, treat fully the following classes of jade objects: implements, symbols of sovereign power, astronomical instruments, jade books, jade in religious worship, coins & seals, personal ornaments, amulets of the dead, objects used in dressing the corpse, animal & human figures, vases, and carvings of the 18th century. Jades in Buddhist art and the nephrite question in Japan are treated in the appendices. The formal bibliography only notes major works, stating that the reader must consult others as given elsewhere in the text.

In regard to illustrations, almost all line drawings are taken from Wu Ta-cheng's *Ku yü t'u k'ao*, 1889, and *Ku yü t'u p'u*, 1779, 100 from the first and 71 from the second, according to Hansford, *Chinese Jade Carving*, p 11. These show a large variety of objects of every kind, while the photographs, mostly uncolored, are taken of objects in the Blackstone Collection, Field Museum, Chicago. On the whole they are only fair in quality.

Despite plaudits, eg, Hansford, ibid, who calls it one of two "outstanding" works among a dozen published in recent years, Laufer's *Jade* came in for severe criticism from Hansford, who devoted pages 4 to 11 in his cited work to meticulously point out those places where forgery in the *Ku yü t'u p'u* seems evident. Similar criticism appears in P Pelliot's review in *T'oung*

Pao, 13, 1912, 434-46, and Una Pope-Hennessy, in her *Jade Miscellany*, 54-8, passim. See also summary by G M Born, 205-7; rev by R L Hobson, *Burlington Mag*, 13, 1913, 108-12, ill. Perhaps conscious of these criticisms, "Laufer was engaged in a revision of his *Jade* which, unhappily, was left unfinished by his untimely death," *Nat Acad Sci Biogr Mem*, p 54. It should be emphasized here that Laufer confined his studies to archeological aspects; the student of jade who is interested in the geological/mineralogical aspects will find little herein to answer his questions, nor anything on jade trade routes, sources of ancient and modern nephrites, or other questions of like nature.

3793. -----1946, reprint, called "2nd edit"

Jade | A Study In Chinese Archaeology And Religion | By | Berthold Laufer | [red Chinese ideogram] | South Pasadena | P.D. & Ione Perkins | in co-operation with | The Westwood Press & W.M.Hawley | 1946

8°: [4], xiv, 370 p; same ill, but see remarks below. Pale green patterned cloth, ornately gold stamped on spine with rules, lett & Chinese belt hook. Pale green print dj, red symbol on cover; Chinese jade orns on all surfaces in black; resume. 22.9 x 15.4 cm(9 x 6 1/8 in). Cut, $12.50. JSL.

Despite the statement by Clifford C Gregg of the Field Museum, p [3] that this is a "second edition," the text is identical, from the original preface through the text and ending with the index. Only six color plates of the original are printed on separate leaves, tipped-in, the remainder being incorporated in the text sections in such a way that they are unnumbered but their reverses bear text and are numbered; none are fitted with tissues. All photographs markedly poorer in quality; the color plates fare better. The titleleaf, a pebbled, heavy paper, is tipped-in. This reprint is now very scarce. Chamberlin, P 1898.

3794. -----1967, reprint, Kraus Reprint Co., New York. Not seen.

3795. -----1974, reprint, Dover Publs, New York

Berthold Laufer | Jade | A Study In Chinese | Archaeology And Religion | Dover Publications, Inc., New York [1974]

Cementb: [2 blank], [2] p + xiv, 370 p + [8 advert]p; ill. Bright green, plasticized paper wrap, col jade fig on cover with white lett; resume back cover; white spine title. 21.5 x 13.5 cm(8 1/8 x 5 3/8 in). Cut. $5.00. ISBN 0-486-23123-2; LC 74-81085. JSL.

Cont: blank f; tp; publ data; text as in original; blank f; advert; blank f.

"This Dover edition, first published in 1974, is an unabridged republication... Plates XXI, XXII, XXIX, XXXIII, XLIII and LIII appeared in color in the original edition. All the plates have been reduced by about 10%; references in the text to "original size" or "natural size" have not been altered." All illustrations are now integral with text but the plates are not included in the pagination; on the whole, the text figures are nearly as good but the photos are blurred. Also publ by General Publishing Company, Toronto and Constable and Company, London.

3796. -----1913

Field Museum Of Natural History. | Publication 169. | Anthropological Series. Vol. XIII, No.1. | [rule] | Notes On Turquois In The East | By | Berthold Laufer | Associate Curator of Asiatic Ethnology | [logo] | Chicago, U.S.A. | July, 1913.

8°: iii, [1 blank], 71 p; col front pl with thin paper guard bearing lett, tip-in + 7 other pls bound-in at end, each with similar lett guard. Pale gray, ribbed texture paper wrap, title on cover. 24.5 x 16.2 cm(9 5/8 x 6 3/8 in). Uncut. LC 13-23846. JSL.

Cont: front; tp; pref; tab cont; text; notes; blank p; pls; blank f.

In the preface Laufer states that this work was originally intended to be incorporated in J E Pogue's *The Turquois*, 1915, but delay in the production of Pogue's work caused issuance of the present monograph two years earlier. "It should be understood," further states Laufer, "that only the exhaustive monograph of Dr Pogue... will lend these notes their proper background and perspective." The three text sections deal respectively with turquoise in India, Tibet and China, with additional notes added at the end. Each discusses in scholarly manner, richly annotated, the position of this mineral in the culture of the country concerned, but the section on India is meager, possibly because of the higher position in esteem held by other gemstones not so readily available to the Tibetans and Chinese, eg, ruby, sapphire, etc. In contrast, the sections on Tibet and China are replete with lore and it is easy to see that in these countries turquois occupied a unique position despite its low monetary value as compared to other gemstones. This work is extremely important, much prized for its knowledge that is unobtainable from other sources. It is scarce.

3797. -----1913 Arabic and Chinese trade in walrus and narwhal ivory. *T'oung Pao*, 14, 1913, 315-70, with addenda by P Pelliot, p 365-70. Reprint: Oriental Printing Office, Leyden, 1913, 58 p(not seen); also "Supplementary notes," in the journal, 1916, p 348-89, not seen. Ettinghausen, 164.

3798. -----1913 Catalogue of a collection of ancient snuff-bottles in the possession of Mrs. George T.Smith, Chicago. Privately publ, 1913, 63 p, wrap. Describes 471 bottles. Not seen.

3799. -----1915

Field Museum Of Natural History | Publication 184 | Anthropological Series Vol. XV, No.1 | [rule] | The Diamond | A Study In Chinese And Hellenistic Folk-Lore | By | Berthold Laufer | Curator of Anthropology | [logo] | Chicago | 1915

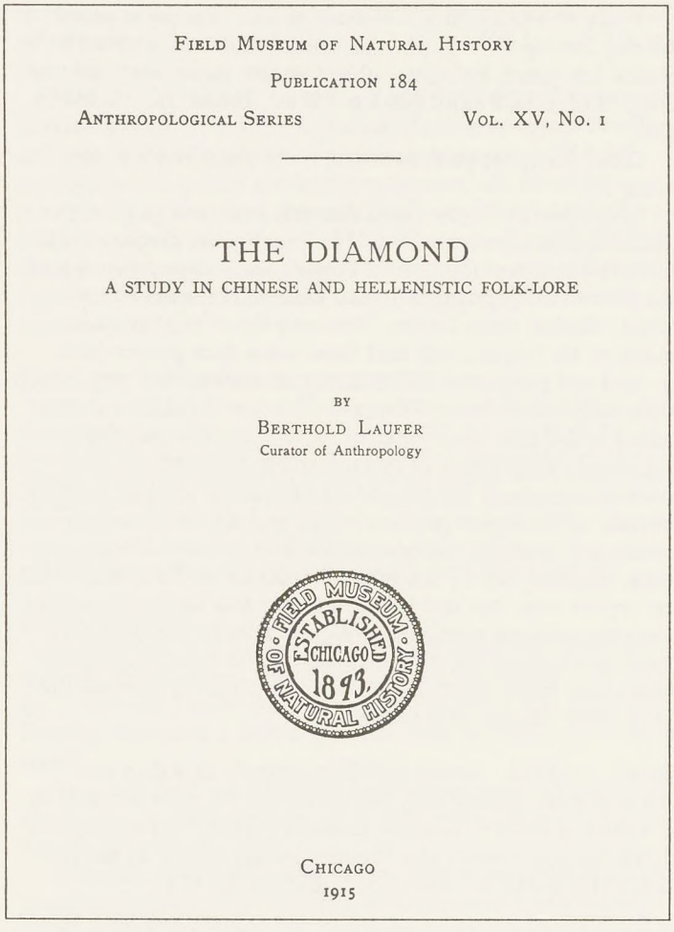
8°: 75, [5 blank]p; pale gray wrap, cover title. 24.3 x 16.1 cm(9 5/8 x 6 3/8 in). Uncut. JSL,

Cont: tp; tab cont; text; index; 5 blank p.

A series of essays about the diamond as it was known in the Hellenistic-Roman world and in contemporary China. Topics include legends, folklore, properties of the diamond, imitations, knowledge of the ancients on diamond, cutting of diamonds, etc. The principal theme is that the Chinese originally knew little or nothing about diamond until it was introduced from the West. As usual in Laufer's studies, the abundant footnotes nearly equal the text. Interesting, informative, but not easy to follow in all places. See comments of J R Sutton, *Trans Roy Soc S Afr*, 9, 1921, 305-13.

3800. -----1919

Field Museum Of Natural History | Publication 201 | Anthropological Series Vol.XV, No.3 | [rule] | Sino-Iranica | Chinese Contributions to the History of Civilization | in Ancient Iran | With Special Reference to the History of |



FIELD MUSEUM OF NATURAL HISTORY

PUBLICATION 184

ANTHROPOLOGICAL SERIES VOL. XV, NO. 1

THE DIAMOND

A STUDY IN CHINESE AND HELLENISTIC FOLK-LORE

BY

BERTHOLD LAUFER

Curator of Anthropology

FIELD MUSEUM OF NATURAL HISTORY ESTABLISHED CHICAGO 1893

CHICAGO

1915

3799. Laufer's pamphlet on the history and lore of diamond in the East and in the Mediterranean cultures

Cultivated Plants and Products | By | Berthold Laufer | Curator of Anthropology | [rule] | The Blackstone Expedition | [logo] | Chicago | 1919

8°: iv + p 185-630 + [2 blank]p. Pale gray, ribbed paper wrap, cover title. 24.3 x 15.8 cm(9 5/8 x 6 1/4 in). Uncut. JSL.

Cont: tp; tab cont; text; 5 appends; general index; botanical index; index of words; blank f.

Only the chapter entitled "Iranian minerals, metals, and precious stones," p 503-28, is of interest here because it treats gemstones from p 516 onward, and although such treatment is very brief, the value of consulting this contribution lies in the references cited by Laufer on turquoise, gems in general, emerald, lapis lazuli, diamond, amber, coral, and the bezoar. This book is uncommonly difficult to find.

3801. -----1925

Ivory In China | By | Berthold Laufer | Curator Of Anthropology | [logo] | Anthropology | Leaflet 21 | Field Museum Of Natural History | Chicago | 1925 [title from wrap]

8°: 78, [2 blank]p; 10 photo pls bound-in; 15 fig. Tan paper wrap, cover title, edges overlap text. 21.6 x 13.6 cm(8 1/2 x 5 3/8 in). $.75. JSL.

The elephant in China, trade in elephant ivory, folklore concerning the mammoth and trade in mammoth ivory, trade in walrus and narwhal ivory, ivory substitutes, objects made from ivory, and with a list of 13 references. It is invaluable for containing so much technical and natural history data rather than speaking on the art displayed in carvings which is the case in so many other ivory contributions. An extended commentary on this pamphlet with additional notes on ivory in China by Dr John C Ferguson, "Ivory in China, " *The China J of Sci & Arts*, Shanghai, 4, 2, Feb 1926, 63-5.

3802. -----1926 Ostrich egg-shell cups of Mesopotamia, and the ostrich in ancient and modern times. *Field Mus Anthropol Leaflet* 23, Chicago, 1926, 51 pp, 9 pls, 10 fig. 22 x 14 cm. Wrap. Not seen.

3803. -----1927

Archaic Chinese Jades | Collected In China | By A.W.Bahr | Now In | Field Museum Of Natural History | Chicago | Described By | Berthold Laufer | [rule] | Thirty-Six Plates, Three Of Which Are Colored | [rule] | New York | Privately Printed For A.W.Bahr | 1927 [Lakeside Press, Chicago]

4°: extra flyleaf + 51, [1 blank] p + [20] glossy f bound-in, the last blank save for press notice + extra flyleaf. Of the 36 pls, all on glossy f, Pl I is bound-in front, Pls II & III colored, also the remainder of the pls bound-in after text. Dk olive green cloth spine, gilt title; dk green, glossy paper sides with gold lett & woman's figure on front cover. 26.2 x 19.1 cm (10 3/8 x 7 5/8 in). Te cut, others untrimmed. Paper slightly tan, woven texture, watermark "Georgian." JSL.

Cont: extra f; 1/2tp; front; tp; pref; introd; dynasties; cat; blank p; pls; blank p; printer's note; extra f.

Bahr's preface relates the circumstances of collection formation; Laufer's introduction gives general remarks on the collection and notes on the jade lore of the Chinese. The catalog describes the pieces, gives dimensions, identifies purpose or significance, comments on form, color, texture, and skill displayed in the carving. The color plates are very good, perhaps rather pale in hue, but the others are only fair at best, some being so washed out that only outlines are readily discernible. Rare.

LAUFER, B, see FARRINGTON, O C, 1927

LAUNAY, LOUIS DE (1740-1805)

Dutch mineralogist, govt official; mbr Acad Sci Bruxelles; writer of other geol/mineralogical treatises. Pogg I, 540.

3804. -----1799

Mineralogie der Alten | oder | Darstellung der Erzeugnisse | der | Mineralreichs, | so weit sie den Alten bekannt waren. | [orn rule] | Nebst | historischen Untersuchungen der Gebrauch, den | Dieselben von eben diesen Erzeugnissen | machten. | von | Ludwig von Launay. | k.k. Sekretair und mehreren gelehrten Gesellschaften | Mitgliede. | [orn rule] | Aus dem Französischen. | [orn rule] | Prag, 1799. in Commission bey Karl Barth.

This is followed by another title:

Mineralogie der Alten, | oder | Darstellung | der | Erzeugnisse des Mineralreichs, | wie sie den Alten bekannt waren. | Mit | historischen Untersuchungen über den Gebrauch, der | in jenen Zeiten davon gemacht wurde, und | einer vergleichenden Uebersicht der alten | neuen Mineralogie. | [taper rule] | Von | Ludwig von Launay, | k.k. Sekretair und mehrerer gelehrten Gesellschaften | Mitgliede. | [taper rule] | Erster [-Dritter] Theil. | [taper rule] | Aus dem Französischen. | [taper rule] | Prag, bey Karl Barth, 1800 [-1803].

The first title appears to be the series title and appears only in the first volume and is dated one year earlier than the first vol title.

8°; [10], 304, [6]p;)(^{4}, A-T^8, U^4; [4], 299, [1 blank]p, pi^2, A-S^8, T^6; [4], 224, [8]p, Pi^2, A-O^8 P^4. Orig marbled bds, pale gray endp. Small printed labels on spine(BM(NH) copy). 21.5 x 13.5 cm(8 1/2 x 5 3/4 in). Uncut.

Cont: I: 1/2tp; ser tp; Pliny quot; tp; same quot; dedic; transl pref; introd; text. II: tp; Pliny quot; tab cont; introd; text; suppl to first part; blank p. III: tp; pref; text; index. Agassiz III, 424.

Although the manuscript for this work was written in French, circumstances forced the author to leave it behind in Germany where it was translated into that language and published in its first edition in Prague. The French edition followed in 1803, published in Brussels, the author's native city. The first volume contains a lengthy review of ancient knowledge of minerals useful in building, construction, mining, quarrying, and metallurgy. This is followed by discussions of the materials themselves, and also gemstones, as quartz, rock crystal, amethyst, chalcedonic quartzes, lapis lazuli, garnet, ruby, zircon, topaz, emerald, beryl, diamond, and others, including a number of massive ornamental stones. Authorities cited by Launay appear as footnotes. The second volume, in two parts, treats first the building stones and sands, volcanic products, and fossils known to the ancients and used by them. The second part contains notes supplementary to the minerals treated in the first part. The third volume amounts to a dictionary of names applied by the ancients to many minerals, stones, and other materials previously discussed. Altogether there are several hundred terms arranged in alphabetical order. The third volume was published separately under the title *Vergleichende Uebersicht der alten und neuen Mineralogie*... Prag, Carl Barth, 1803, 8°: [7], [1 blank], 224, [8] p.

3805. -----1803, Fr edit

Minéralogie | Des | Anciens, | Par Louis De Launay, | [rule] | Praeterita iter est, non trita auctoribus via, nec qua | peregrinari animus expetat. Plin. L.I. | [rule] | Tome Premier[-Second]. | [taper rule] | A Bruxelles, | Chez Weissenbruch, Imprimeur-Libraire, | place de l'Égalité, n°. 1085, | Et se trouve | A Paris, chez Garnery, rue de Seine, et | à Strasbourg, chez Treuttel et Wurtz. | [rule] | An XI. [1803]

8°: [16], lii, 395, [1]p; pi^8, $a\text{-}c^8$, d^2, $A\text{-}Aa^8$, Bb^6; [8], 276 p, pi^4, $A\text{-}S^8$, very large fold tab bound-in at p 212. 21.7 x 13.6 cm(8 1/2 x 5 3/8 in). Cropped. Paper of pale green tint, but another copy seen in ordinary white paper. BM(NH); Ward & Carozzi 1334; JSL; Dewalque 297;Agassiz III, 424.

Cont: I: 1/2tp; tp; publ data; dedic; pref; tab cont; tab; introd; text; index; errata. II: 1/2 tp; tp; tab cont; tab; text; index; blank p; fold tab; notes on same; index; errata. USGS Kunz Coll, GS 34-024.

Now includes the supplements of the German edition incorporated in appropriate places in the text. The first volume contains gemstones, earths, ornamental stones, fossils, sands, volcanic products, etc, while the second volume contains salts, organic and petroleum-derived materials, amber(71-86), and the metals. The large folding table compares minerals of the ancients to those now recognized as the same.

LAUNAY, LOUIS ALPHONSE AUGUSTE DE(1860-1938)

Fr min eng & geol; b Paris; educ École Polytech; entered Corps des Mines 1884; prof in the École des Mines; joined Fr geol survey, dir in 1930; widely traveled; noted for works on geol & econ geol. Obit L J Spencer, *Min Mag*, 25, 1939, 256. Pogg 4, 843-4.

3806. -----1897

Les | Diamants Du Cap | [rule] | Historique.-Organisation Financière Et Commerciale | Géologie.-Mode D'Exploitation Et De Traitement | Comparaison Avec Les Gisements Du Bresil, De L'Inde, De Bornéo | Et D'Australie | Par | L.De Launay | Ingénieur Au Corps Des Mines | Professeur A L'École Supérieure Des Mines | [rule] | Paris | Librairie Polytechnique, Baudry Et C^{ie} Éditeurs | 15, Rue Des Saints-Pères, 15 | Maison A Liège, 2l, Rue De La Régence | [rule] | 1897 | Tous droits réservés

8°: VII, [1 blank], 239, [1 blank]p; p 227-39 are publ adverts; 48 fig(1 fold map, tip-in); many tabs. Tan cloth, green double-rule frames on covers, enclosing red title on front cover with small green logo; same logo back cover; red title & orn rules on spine. 21.3 x 15 cm(8 3/8 x 5 7/8 in). Cut. Also in print wrap, 22.8 x 16 cm(9 x 6 1/4 in), uncut. Fr 10. JSL.

Cont: 1/2tp; other bks of author; tp; pref; 7 chs; tab cont; advert; blank p.

Written for mining engineers and supervisory personnel, with the material treated technically & scientifically, and supported by numerous data, maps, diagrams, tables, and charts. Treats the history and conmercial organization of the South African diamond mines, the geology and formations that enclose the pipe bodies, methods of mining & processing ore, solving the theft problem, and with general observations on diamond deposits elsewhere in the world. GS 35-219.

3807. -----1903

Les | Richesses Minérales | De | L'Afrique | L'Or, Les Métaux, Le Diamant, | Les Phosphates, Le Sel, | Les Combustibles, Les Sources Thermales, Etc. | [rule] |... [4 lines of countries]... | Par | L.De Launay | Ingénieur en Chef des Mines, | Professeur à l'École supérieure des Mines. | [orn rule] | Paris | Librairie Polytechnique Ch.Béranger, Editeur |... [3 lines].. .| [rule] | 1903 | Tous droits réservés.

8°: [3], 416 p; 71 fig(many sketch maps). Brown pebbled cloth, gold lett & blind rules with logo on cover; gold rules & lett spine. 23 x 15.8 cm(9 x 6 1/4 in). Cut. Fr 20. JSL. LC 3-23278.

Ch VI on diamonds of South Africa, p 193-205, 5 sketch maps & cross-sections, production figures; Ch VIII treats miscellaneous minerals: marble, alabaster, rock crystal, emerald, garnet, turquoise. Ch XI briefly describes diamond in Cape Colony, Transvaal, and rock crystal and gemstones of Madagascar, and marble, alabaster, turquoise and emerald of Egypt.

3808. -----1913

Traité De Métallogenie | [rule] | Gîtes Minéraux | Et | Métallifères | Gisements, Recherche, | Production Et Commerce Des Minéraux Utiles | Et Minerais, | Description Des Principales Mines | Par | L.De Launay | Membre de l'Institut. | Ingénieur en Chef des Mines. | Professeur à l'Ecole supérieure des Mines, et à l'Ecole des Ponts et Chaussées. | [rule] | Tome Premiere[-Troisieme] | [rule] | Paris Et Liège | Librairie Polytechnique Ch.Béranger, Éditeur | Paris, 15, Rue Des Saints-Pères, 15 | Liège, 21, Rue De La Régence, 21 | [rule] | 1913 | Tous droits réservés.

8°: [1], [1 blank], VIII, 858, [2 blank] p, 129 fig; [3], [1

JSL a USGS library

blank], 801, [1 blank], [1], [1 blank]p, figs 130-333; [3], [1 blank], 934, [2 blank] p; figs 334-557; 4 pls in text. Maroon cloth, gilt titles on spine & front covers. 23.8 x 15.7 cm(9 3/8 x 6 1/8 in). Cut. Fr 60. JSL.GS 13-404.

Cont: I: 1/2tp; other bks of author; tp; blank p; pref; text; tab cont; blank f. II: 1/2tp; other bks of author; tp; blank p; text; tab cont; blank p. III: 1/2 tp; other bks of author; tp; blank p; text(to p 762); abbrev; measures & conversions; subj index; geogr index; regional index; biblio(p 893-7, ca 200 entries); lists of tabs; errata; gen tabl cont; blank f.

A large and important treatise on ore deposits and economic minerals. Treats principles, theories of deposition, type deposits, etc, and deposits considered in terms of the major element exploited, from elemental gases, the fluorine minerals, sulfur, selenium, etc, and finishing with titanium and zirconium in the first volume, but taking up other useful minerals in the succeeding volumes. Gemologically interesting sections: I, carbon, Ch 17, esp diamond, p 399-439, 10 figs; silica and various silicates in Ch 25, p 789-97, and including varieties of crystalline and chalcedonic quartz,and opal, with p 828-42 on "silicates employed in jewelry and decoration," ie, tourmaline, topaz, beryl, chrysoberyl, phenakite, euclase, peridot, benitoite, serpentine, variscite, jade, agalmatolite, garnet, idocrase, lapis lazuli, kyanite, staurolite, sapphirine, cordierite, glaucophane, and the "gems of the Urals," p 840-2, a short treatise on several productive mines. In Vol II, Ch 32, calcium, p 163-94 provides material on massive calcite-marble stones, lithographic stones, gypsum alabaster, and in Ch 34, magnesium, there are remarks on talc, steatite, and meerschaum, with a short note on tremolite jade and brief remarks on minerals other than beryl that contain magnesium. Ch 35, aluminum, 226-52, contains sections on ruby & sapphire, p 239-43, followed by remarks on emery and common corundum. Scarcely any of the remarks, save for diamond, are given in depth as is to be expected in a work that mainly concerns itself with metalliferous deposits. The work is scarce, and despite its potential importance, its makers used acidic paper which has now disintegrated to the point that sound copies are extremely uncommon.

LAUNAY, L. DE, see FUCHS, P J E

3809. LAURENCE, Sir PERCEVAL MAITLAND Diamonds and the diamond fields. *The South African Exhibition*, Port Elizabeth, 1885, XIII, pts 1 & 2, 255-83, 8°, 1886. Not seen: Mendelssohn. Also in *Cowen's South African Exhibition Lectures*, 1886, 255-83, not seen, from Southey, 42. Sir Laurence was Judge President, High Court, Griqualand West.

3810. -----1899 Collectanea... London: Macmillan, 1899, viii, 437 p. Contains the above on p 305-35. Not seen.

LAURENT, C C, see JEFFRIES, D, 1753

LAURENT, JOANNON DE ST, see JOANNON DE ST LAURENT

3811. LAURENT, VERWOORT Der Diamant, seine Eigenschaften und seine Bearbeitung. Antwerp: H.Mouden & Hanau: G.M.Alberti, 1926(?). 52 p, RM 1.50. Not seen, from *Chem Abstr* 1926, 20: 1779[3]

3812. LAURENTIUS, JOHANN HEINRICH

Q.D.B.V. | Disquisitionem Naturalem | De | Asteria, | Gemma, | publice proponunt | Praes | M.Samuel Hentschel, | Facultat.Philosoph. Adjunctus, | &c | Respondens | Joh. Heinricus Laurentius, | Freibergâ Silesius. | A.O.R. M DC LXII. | die 23.August. | [rule] | Witteb. Typis Johannis Borckardi [Wittenberg, 1662]

4°: [19], [1 blank]p; A-B[4], C[2]. BM(NH). Cont: tp; text; approb; blank p.

Stones displaying stellate figures, eg, as in Aldrovandi, but probably referring to fossils and not star gemstones.

3813. LAURI, GIOVANNI BATISTA De annulo pronubo deipare Virginis. Roma: 1622, 232 p, with index. "A summary history of ancient rings with an account of the recent history of the ring of the Blessed Virgin Mary in Perugia Cathedral." Not seen.

3814. LAUS, HEINRICH

Die nutzbaren | Mineralien und Gesteine | der | Markgrafschaft Mähren | und des | Herzogtums Schlesien | nach dem neuesten Stande dargestellt von | Heinrich Laus, | k.k. Professor an der deutschen Lehrbildungsanstalt in Olmütz. | [orn] | Mit einer geologischen Übersicht (samt Karte) und einem Ver- | zeichnis der Hauptfundorte mähr.-schlesischer Mineralien. | [orn] | Brünn 1906. | [rule] | Druck und Verlag der k.k.Hofbuchhandlung | Carl Winiker.

8°: VII, 182 p; fold col geol map of Moravia & Silesia tip-in at end. Pale gray wrap, framed title on cover. 24.5 x 16 cm(9 5/8 x 6 3/8 in). JSL.

Describes ore minerals and non-metallic minerals, rock, and other mineral resources of Moravia and Silesia, with an alphabetical list of same and occurrences, followed by a geological summary, collections, biblio (p 161-5, 126 entries), and indexes. Gemstone materials: meerschaum (used for pipestems), marbles, chalcedony, moldavite, opal, and quartz.

3815. LA VARRE, WILLIAM J (1898-)

Up The Mazaruni | For Diamonds | By | William J.Lavarre [sic] | Veteran Scout | [logo] | Boston | Marshall Jones Company | 1919

8°: [2 blank], xiv, [1], [1 blank], 139, [3 blank]p; 23 photos on 16 tip-in glossy f; sketch map front. Pale brown cloth, title & river scene on cover in brown; brown spine title. 18 .6 x 12.6 cm(7 3/8 x 5 in). Cut. LC 19-15868. JSL.

Cont: blank f; 1/2tp; front; tp; publ data; dedic; fwd; tab cont; ill list; text tp; 23 chs; 3 blank p.

Recounts adventures while seeking alluvial diamonds at headwaters of Mazaruni River, British Guiana. Up to p 106 the text relates trials and tribulations enroute to the selected mining area, but only a few pages thereafter are devoted to describing actual mining and results. This appears to be the first in a long series of equally tiresome accounts of diamond mining in this region of South America, long on breathless adventure and colorful natives, and woefully short of any helpful advice on prospecting and mining. Reprints in 1922, 1927, with same date; a later reprint, paper, ISBN 0-8338-0039-6, @ 1.50 by same publ, given as "Division of Golden Quill Press," Francestown, NH 03043. Not seen.

3816. -----1935

Gold, Diamonds | And Orchids | [taper rule] | William LaVarre | F.A.G.S., F.R.G.S. | Illustrated With Photographs | By The Author | Fleming H.Revell Company | New York · London · Edinburgh [1935]

8°: 298, [6 blank]p; front glossy pl tip-in, 19 others tip-in. Pale tan cloth, brown lett & helmeted explorer on cover; brown rules & lett on spine. Pale green endp sketch maps, routes in red. Col dj, resume. 21.7 x 14.8 cm(8 1/2 x 5 7/8 in). Te stained brown. Fe untrimmed. JSL.

Cont: 1/2 tp; front; tp; publ data; tab cont; ill list; 20 chs; 3 blank f.

There is rather more on diamonds in this work which describes the author's expedition through the jungles of British Guiana into the "Lost World" region at the borders of British Guiana and Brazil, and thence into Brazil to eventually emerge at Para on the Amazon River. As before, mostly on adventure and very little on diamond mining. Reprinted at least once.

3817. LAVEST, R Les pierres d'horlogerie et le sertissage. Le Locle, 1928, 69 p, ill. Technicum du Locle, Switzerland. Not seen.

3818. LAVOISIER, ANTOINE LAURENT(1743-1794)

Premier [et second] mémoire sur la destruction du diamant par le feu... *Mém Acad Roy Sci*, Paris, pt 2, 1772, 564-616; also in his Ouevres, t 2, Paris, 1862. Demonstrates that diamond combines with oxygen during combustion to form carbon dioxide.

3819. LAWSON, CHARLES

Memories Of | Madras | By | Sir Charles Lawson | Late Fellow of the University of Madras; | Author of "The Private Life of Warren Hastings," etc. | With 4 Photogravure Portraits and 29 other Illustrations. | [logo] | London | Swan Sonnenschein & Co., Lim | 25, High Street, Bloomsbury, W.C. | 1905

8°: [2 blank], xiv, 313, [1 blank], [2]p; front photograv pl & tissue tip-in; 3 others with tissues; 28 photos on 24 glossy tip-in f; 1 sketch map in text. Bright blue cloth, elaborate floral bands at top & bottom of cover, in center a coat-of-arms, all in gold; gold rules & lett spine; back cover plain. 21.7 x 14.2 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: blank f; 1/2tp; front; tp; pref; tab cont; ill lists; sketch map; 14 chs; 6 appends; index; blank p; 2 advert p.

"Contains glimpses of men and things of former days in Madras, that were obtained by delving in the archives of the British Museum and the India Office. The papers appeared originally in the *Madras Mail*, and have now been recast and enlarged. They are illustrated by examples of the methods of photo-engraving invented by Sir Joseph Swan, F.R.S." I believe this work to be completely unnoticed in any gemological reference list despite its containing so much valuable information on the Pitt diamond during the early period of its history in India about which little has been written. This material appears on pages 17 to 53 in the second chapter and gives details on how the stone was acquired, the trials and tribulations suffered by its owner, Thomas Pitt, before the stone was safely delivered to England, its cutting, and its sale. The plate facing page 52 gives drawings in exact size of the Pitt and the Koh-i-nur, the latter gem being briefly discussed in Append 5, p 300-1. A rare work.

LEA, ISAAC (1792-1886)

USA biologist, mineralogist, gemstone connoisseur; b Wilmington, DE; hon LLD Harvard 1852; mbr Acad Nat Sci Phila 1815, pres 1858-63; in the publishing business; noted mainly for his writings in malacology, esp freshwater mollusks of United States; formed important gem collection, later donated by his daughter to Smithson Inst in 1894. Pogg I, 1396-7; DSB 8, 103-4. See also "Bibliogrs of Amer Naturalists, II, The published writings of Isaac Lea,"*US Nat Mus Bull* 23, 1885, lix, 278 p, portr.

3820. -----1876

Further Notes | On | "Inclusions" In Gems, Etc. | By | Isaac Lea, LL.D. | [rule] | Philadelphia: | Collins, Printer, 705 Jayne Street. | 1876.

Extracted from *Proc Acad Nat Sci of Phila*, 28, 1876, 98-107, Pl 2.

Edgesewn: 11, [1]p, engrav pl. Pale tan print wrap, cover title. 24.5 x 15.5 cm(9 5/8 x 6 1/8 in). Uncut. JSL.

Perhaps the first important paper published in the United States on inclusions in gemstones, some that are solids, others two- and three-phase types. Brief descriptions of inclusions in calcite, fluorite, apatite, feldspars, tourmaline, kyanite, quartz, topaz, beryls, garnets, zircon, chrysoberyl, olivine, spinel, iolite, turquois, lapis lazuli, opal, corundums, and diamond. Lea provided short remarks in the March and May issues of the above journal, 1869.

3821. LEADBEATER, JOEL M Maine minerals and gems. Maine Mineralogical and Geological Society, Inc, May, 1963. Pale blue wrap, cover title, 41, [2]p. 27.4 x 21.5 cm(11 x 8 1/2 in). Cut. Provides a localities index by mineral (Freeman F Burr), followed by a town listing with minerals for each, and another listing in which the names of places and/or deposits, with minerals found in each, are placed under the towns. The last few leaves provide a guide to existing literature and map, also collecting advice.

3822. LEAMING, STANLEY Rock and mineral collecting in British Columbia. *Geol Survey Canada Paper* 72-53, Ottawa, Canada, 1973. Edgestapled: ix, 138 p, 23 text photos, 32 fig(mainly sketch maps), 22 tabs. Bright green heavy paper wrap, white lett & design on covers. 24.7 x 16.4 cm(9 3/4 x 6 1/2 in). Cut. $2.00, Cat No M44-72-53. JSL. Outstanding work for the collector and prospector, telling how to recognize favorable geological formations and discover gemstones and minerals. Large sections devoted to chalcedonic gemstones, rhodonite, nephrite jade, and some other minor species. The many sketch maps indicate simplified geologies of interesting areas and are particularly helpful.

3823. -----1978 Jade in Canada. *Geol Survey Canada Paper* 78-19, Ottawa, 1978. Centerstapled: [5], [1 blank], 59, [3 blank] p; p 5 with red Chinese character for jade; 21 photos, maps; 6 tabs. Paper wrap printed with green jade photo, white lett front cover, note on cover photo inside front cover, printed in green. 28 x 21.6(11 x 8 1/2 in). Cut. $4.00 in Canada, $4.80 elsewhere. Cat No M44-78/19; ISBN 0-660-10061-4. JSL. By far the most authoritative treatment on the famous nephrite deposits of the province which are productive of large quantities of valuable decorative, jewelry, and carving grade material. It is

actually a short treatise on jade in general, giving a brief history of jade, types of jade and how defined, mineralogy, general type occurrences, local petrologies, and with appendices that include analyses of foreign as well local jades. Of great value to prospectors is a discussion of Cordilleran geology in relation to jade occurrences and suggestions as to similar occurrences may be found. Much of the work describes nephrite deposits in this province as well as in the Yukon Territory, and Northwest Territories, with remarks on extents of the deposits, types & qualities of material, methods of mining, production statistics, marketing, etc, and with many photographs of deposits as well as generalized and detailed geological sketch maps.

3824. ----- 1980, with LEAMING, CHRIS

Guide to | Rocks & Minerals | of the Northwest | [3 col photos] | [logo to left] by Stan Leaming & Chris Leaming [North Vancouver: Hancock House Publishers Ltd., 1980; title from cover]

Centerstapled: [2], 33, [1]p; 103 col photos(including covers); sketch map. Heavy glossy col wrap, cover title. 21.6 x 13.9 cm(8 1/2 x 5 1/2 in). ISBN 0-88839-053-X. $3.00. JSL.

Guide to collecting in Alaska, Yukon, British Columbia, Alberta, Washington, Montana, Idaho, and Oregon, with specimens depicted and described. Includes nephrite, ornamental rocks, vesuvianite, rhodonite, obsidian, chalcedonies, petrified woods, opal & opalized woods, magnesite, and travertine. Skimpy treatment because of attempting too much coverage but with attractive illustrations and clear writing.

LEBEDEVA, L I, see BOBRIEVICH, A P, et al, 1964

LEBERT, HERMANN(1813-1878)

B Breslau; MD Zurich U 1834; & prof med 1853; prof med Breslau 1859-74; noted for anatomical researches.

3825. -----1873

Mémoire | Sur | Quelques Points De L'Histoire Naturelle | De L'Ambre | Par | M. le professeur Lebert de Breslau. | Extrait des Actes de la Société helvétique des Sciences | naturelles. | Fribourg 1872. | [orn rule] | Fribourg. | Imprimerie Marmier Et Bielmann. | [rule] | 1873.

Centersewn: 16 p. 21 x 14 cm(8 1/4 x 5 1/2 in). Uncut.

I On the fluorescence of ambers from Sicily and the Baltic. II On various kinds of amber employed in industry(8 types). III Plant and insect inclusions. Descriptions based on specimens in the author's collection.

3826. LE BLANT, EDMOND

750 Inscriptions | De | Pierres Gravées Inédites Ou Peu Connues | Publiées | Par M.Edmond Le Blant | [orn rule] | Extrait | Des Mémoires De L'Académie Des Inscriptions Et Belles-Lettres | Tome XXXVI, I^re^ Partie | [logo] | Paris | Imprimerie Nationale | [rule] | Librairie C.Klincksieck, Rue De Lille, 11 | [rule] | M DCCC XCVI [1896]

4°: [3], [1 blank], 210, [2 blank]p; 1 text fig. Print wrap, cover title. 28.1 x 22.6 cm(11 1/8 x 8 7/8 in). Uncut. JSL.

Cont: 1/2tp; tp; introd; auction catalogs(p 17, 30 entries); text; index to text divisions; index; blank f.

A collection of 750 inscriptions garnered from engraved gems from many sources and classified according to the kind of communication engraved upon each, namely, inscriptions of salutations, presentations, affection, love, affiancement, worship, etc, and also amuletic inscriptions among other miscellaneous types. Each gem is identified and its material stated along with the collection in which preserved. Furtwängler, *Die antiken Gemmen*, 3, 434 "a very welcome compilation of scattered inscriptions." My copy badly browned, brittle.

3827. LE BRUN-DALBANNE

Les | Pierres Gravées | Du | Tresor De La Cathédrale | De Troyes | Par | Le Brun-Dalbanne | Correspondent Du Ministère De L' Instruction Publique | Pour Les Travaux Historiques | Membre Et Ancien Président De La Société Académique De L'Aube | [logo] | Paris | Rapilly, Libraire Et Marchand D'Estampes | 5, Quai Malaquais, 5 | [rule] | M DCCC LXXX [1880]

"Extrait des Mémoires de la Société Acádemique de l'Aube Tome XLIV."

8°: 154, [1], [1 blank]p; 5 litho pls bound-in between p 56-7, in reverse order, with thin paper guard facing the last pl. Pale grayish-tan wrap, title in double-rule frame on cover; printer logo in same frame back cover. Single flyleaves inserted at each end & pasted to wraps. 24.8 x 16.3 cm(9 3/4 x 6 3/8 in). Uncut, untrimmed. USGS Kunz Coll, GS 33-339; JSL.

Cont: 1/2tp; tp; text; tab cont; extract note; blank p.

While a little over half the text is devoted to very detailed descriptions of 44 choice engraved gems in the treasury of the Cathedral of St Pierre in Troyes, Dept Aube, France, with the gems shown on the plates, it is the preliminary matter that contains equally important information. Here the author provides a detailed history of the accumulation of the gem collection, along with rather rambling yet valuable discourses on the antiquity of gem engraving, famous engravers and their work, development of gem engraving in various places at various periods, and the uses of engraved gems. Numerous bibliographic footnotes.

LECLERQ, H, see CABROL, F & LECLERQ, H

LE CHATELIER, HENRY-LOUIS(1850-1936)

Fr chemist, metallurgist; educ École Polytech & École des Mines; prof École des Mines 1878; prof mineral chemistry Coll de France 1888, later prof chem 1897-1907; inspector of mines 1907; prof chem Sorbonne 1907-25; made numerous important discoveries, recipient many honors. Obit L J Spencer, *Min Mag*, 25, 165, 1939, 296; DSB 8, 116-20; Farber, 2, 907-20.

3828. -----1913

Vom Kohlenstoff | [rule] | Vorlesungen | über die | Grundlagen der reinen und angewandten Chemie | von | Henri Le Chatelier | [rule] | Übersetzt von Hermann Barschall | Mit einem Vorwort von F.Haber | Mit 52 Abbildungen im Text | [orn rule] | Halle(Saale) | Verlag von Wilhelm Knapp | 1913

8°: [2], XIV, 324 p; photo front portr; 53 figs. Print wrap(?). 23.7 x 16.1 cm(9 1/4 x 6 3/8 in). Cut. JSL.

Cont: blank p; front; tp; fwd; tab cont; pref by author; text.

The text consists of 18 lectures used by Le Chatelier in his courses in the Sorbonne. The first lecture presents a tribute to Henri Sainte-Claire Deville and a brief resume of the life and work of Henri Moissan, including remarks on his attempts to synthesize diamond. The next three lectures contain much on the various forms of carbon, including the diamond, with properties,

features, etc given on p 27-39, 40, and 58-60. According to the preface, there is a French edition of this work but I have not seen a copy.

3829. -----1914

Henry Le Chatelier | [rule] | La Silice | Et | Les Silicates | [orn rule] | Paris | A.Hermann Et Fils, Editeurs | 6, Rue De La Sorbonne, 6 | [rule] | 1914 | Tous droits ...[etc, 2 lines]

8°: [3], 574 p; 60 fig. Print wrap. Ca 24 x 15.8 cm(9 1/2 x 6 1/4 in). Uncut. JSL. LC 14-5436.

Cont: 1/2 tp; tp; text; index.

One of the classic treatises on silica and silicate minerals, and of special interest to the gemologist, a chapter on the crystallization of quartz which includes a good section on causes of color, particularly in the amethyst, and with illustrations showing segmental color zoning, and other chapters which provide physical and optical data on quartz. The eighth chapter, 201-15, is entirely on chalcedony and discusses its nature, chemical composition, varieties, properties, etc.

3830. -----1920, Ger edit

Kieselsäure Und | Silicate | Von | H. Le Chatelier | [rule] | Berechtige Übersetzung | von | Dr.H.Finklestein | [rule] | Mit 65 Figuren und Abbildungen im Text. | [orn] | Leipzig 1920 | Akademische Verlagsgesellschaft m.b.H.

8°: XI, [1 blank], 458 p; 65 fig. Blue-gray print wrap, cover title, adverts back cover. 25.5 x 16.3 cm(10 x 6 3/8 in). Uncut. JSL. Browning paper.

In accordance with Le Chatelier's wishes, a straightforward translation, but with two appendices based on papers published by him in the interim.

LEDIT, C, see HEINIGER, E A & J

3831. LEE, ARTHUR

Marble | And | Marble Workers, | A Handbook For | Architects, Artists, Masons, And Students. | By | Arthur Lee. | Author of "A Visit To Carrara," "The Working of Marble," &c. | Marmo, bel Marmo. | Crosby Lockwood & Son, 7, Stationers' Hall Court, | Ludgate Hill, London, E.C. | 1888.

8°: xvi, 143, [1]p; ch orns, inits. Red cloth, blind-ruled panels on cover with gold lett; gold spine title; blind-ruled panels back cover. Yellow endp. 15.8 x 10.3 cm(6 1/4 x 4 in). Cut. BM(NH).

Cont: tp; print data; pref; index; 13 chs; advert.

After a first chapter which gives the history of marble and its uses from antiquity to the present, with notes on its nature and varieties, the major portion of text describes marbles and their sources in many countries of Europe, Africa, and America. The last two chapters provide a comparative table of the best-known types, according to color, and practical notes on how marble is processed into its finished forms. While calcareous marbles are given most space, there are short discussions of porphyry, malachite, serpentine, and other stones.

3832. LEE, BOLTON

What One Should | Know About | Jade | By | Bolton Lee | Published by | The Jade Store | 80 Nanking Road, Shanghai, China | Established 1922 [nd, ca 1939]

Centersewn, with olive-green silk tie: [2], 23, [3 blank] p; 3 photo pls tip-in. Pale tan wrap, green jade screen on cover with title & frame in brown. Pale tan text paper, ribbed. 19.9 x 12.4 cm(7 3/4 x 4 7/8 in). Cut. All letterpress in brown. Wrap overlaps text. JSL.

A general treatise on Chinese jade by a well-known purveyor of same, with an introduction by Arthur De Carle Sowerby, noted student of Chinese culture. Topics: origin & uses of jade, importance to the Chinese, production, Han jade, white jade, "jasper" jade, "water" and "stone" jades, identification problems. Summary, G M Born, 210.

3833. LEE, ELSIE

The Exciting World Of | Rocks | And | Gems | By Elsie Lee | [photo to left] | How to Cut and Polish | Location and | Identification of | Rocks and Gems | Make Your Own Jewelry | [photo] | Rock Collecting for Profit

Title in white, red, black & blue, color photos on cover, with price.

P 2: "Copyright 1959 by Trend Books, Inc... Los Angeles 28, Calif."

Edgestapled: 128 p, ca 195 photos. Col wrap; advert back cover; photos inside covers. 24 x 16.5 (9 1/2 x 6 1/2 in). Cut. $.75. JSL.

Elementary text, covering very briefly field trips, petrology, mineralogy, famous gems, lore, jade, workshop, cabochon & facet cutting, tumbling, jewelry making; ends with a list of collecting localities.

3834. LEE, H & WEBSTER, R Imitation and treated turquoise. *J Gemm*, 7, 7, 1960, 249-69, 5 fig, 30 refs.

3835. LEE, HENRY E

The Story | of | Fossil Wood | [orn] | Courtesy | The Rushmore Museum | Rapid City, South Dakota [title in single-rule frame; 1940]

Centerstapled: [2 blank], [4], [1 blank], 23, [3 advert]p; 7 photos; orn init, gold-coated, hammered surface heavy paper wraps, title & drawing of Mt Rushmore on cover. 9.9 x 7.5 cm(4 x 3 in). JSL.

Issued free by the museum to advertise specimens of wood in uncut and polished forms. Gives a brief history of the discovery and identification of petrified woods of South Dakota, including the famous cycads, some of which are shown in the photographs.

3836. LEE, H T A petrographical study of the Chinese agalmatolite. *Geol Soc China Bull* 7, (3-4), 1928, p 221-32. Much used in inexpensive carvings, this soft stone is shown to consist essentially of kaolinite, sometimes pyrophyllite. It is mined in over 50 deposits; geol occurrences, origin. Not seen.

3837. LEE, R J Diamond production in Guyana. *J Gemm*, 17, 7, 1981, 465-79, 9 figs, 6 refs, map. Alluvial deposits.

LEE, W B, see SELIGMAN, D H

3838. LEECHMAN, DOUGLAS Cutting and polishing small stones. *Fellowcrafters' Handibook* 9966. Boston: Fellowcrafters Inc, 1946. Centerstapled: 16 p, 11 fig. Print wrap. 17.5 x 11.8 cm(6 7/8 x 4 5/8 in). Cut. Wrap overlaps text. JSL. Simplified presentation elementary techniques for grinding,

lapping, polishing large objects as well as making cabochon gems.

LEECHMAN, FRANK(d 1963)

Capt in Brit merchant marine; resided Australia; F Gemm Assoc Gt Brit; d Sydney, NSW.

3839. -----1961

The | Opal | Book | [rule] | by | Frank Leechman | Fellow of the Gemmological Association | [rule] | Ure Smith · Sydney [1961]

8°: [8], 255 p; 9 col pls on 8 tip-in glossy f; 10 photos on 5 tip-in glossy f; 4 text maps; 1 fig. Pale blue cloth-type paper over bds, gold lett spine. Col dj, cut opals on cover; cut black opal back cover; resume, vita. Tan endp dec with mining scenes. 23.3 x 15.4 cm(9 1/8 x 6 in). Cut. Aus 45s, or £ 2/6 in UK. JSL. LC 61-38337.

Cont: 1/2tp; dedic; tp; publ data; tab cont; ill list; fwd; ackn; introd; 9 chs; appends; biblio(p 248-50, 106 entries); index; ackn; blank p.

The most complete monograph on opal yet to appear in any language. The text defines opal and describes it nature, then describes the opal fields and the types of precious and common opal that occur other than in Australia, followed by chapters on the early history of opal mining in Australia, methods of mining, scientific nature of opal, the explanation for play of color, opal in jewelry, lore & legends, famous opals, and a conclusion. The appendices are most valuable for their detailed and accurate information on opal varieties, nomenclature, and including a glossary of terms, localities in Australia, geological periods, origin of the names Coober Pedy and Andamooka, notes on large or famous specimens, a table of weights, poems about opal, and hints on lapidary treatment. The bibliography is good but apparently Leechman found it difficult to obtain important references on opal in America and his statements concerning opal therein are taken from older and, in part, less accurate works. The illustrations are of good quality, some excellent, but others being uneven in reproduction of color with some photographs being garish in hue. Rev *The Gemm*, 30, 360, 1961, 124-6; *J Gemm* 8, 6, 1962, 237; *G & G*, 10, 9, 1962, 285. Comparable to this work: W C Eyles, *The Book of Opals*, which see. Instantly popular, various impressions, eg, in the US, Nov 1961, dk red bds, $7.95; a 5th impression, Dec 1964, was given additional illustrations; the 7th impression is described below.

3840. -----1968, 7th impress, title same. 8°: [8], 263 p; 30 col & 28 b&w photos on 20 glossy f bound-in; 6 text maps; 1 fig. Pale blue cloth-type paper over bds, col dj, dec endp as before. 22.8 x 15.2 cm(9 x 6 in). Cut. The additional ill appear on a 8-leaf section inserted between p 232-3. JSL.

Cont: 1/2tp; dedic; tp; publ data; tab cont; ill list(altered) with ackn; fwd (revised); introd; text as before but appends changed in part by K J Buchester; biblio; index(changed); ackn(changed) blank p.

Prelims changed & reset to reflect new material & illust, the latter, in part, selected by J V Sanders(p 263). Changes in appends mainly reflecting new discoveries of cause of color play by Sanders, et al.

3841. -----1973, 5th edit Same title. P [iv] now gives the name "edition" to former impressions, as follows: "Reprinted November, 1961 | Reprinted November, 1962 | Reprinted May, 1962 | Second edition December, 1964 | Third edition July, 1966 | Fourth edition January, 1968 | Reprinted November, 1969 | Fifth edition May, 1973"

8°: [viii], 264 p; 6 text maps, 2 fig; 24 col photos & 31 b&w photos on 22 bound-in glossy f. Pale blue, aluminized paper over bds, gold spine title; pictorial endp as before; same dj; same p size. Nat Libr Australia Card No & ISBN 0 7254 0092 7. JSL. Text unchanged to Append I, which now compiled by J V Sanders & P Darragh on latest conditions and developments in the Australian opal fields, with a 2nd append by Buchester the same; other appends same.

3842. LEECHMAN, G F, Captain

The | Semi-Precious Stones | Of Cornwall | By | Capt.G.F.Leechman, M.R.A.S. | [rule] | "I Will Make All Thy Borders Of Precious Stones." | Isaiah LIV., 12. | [rule] | -Penzance- | John W.Saundry | 13 Chapel Street [1934]

Centerstapled: [1], [1 blank], 21, [1] p; 4 b&w photos; 2 tip-in col pls(by permission, BM(NH)). Thick, leather-grain blue paper wrap, with gilt pyrite crystal on cover with gilt title & price of 1/-. Semi-glossy 21.5 13.7 cm(8 1/2 x 5 3/8 in), BM(NH) Library.

Cont: tp; text to p 18; adverts thereafter.

Provides an introduction, then describes crystalline quartzes, including the rock crystals known as "Cornish diamonds," then non-crystalline varieties of quartz, principally agate, and others as serpentine, garnet, tourmaline, feldspar and fluorite. A brief discussion of metalliferous rocks is included along with remarks on the work of the lapidary and the curious lore of gemstones. The advertisements are mineral dealers, jewelers, and tradesmen. The author was a commercial lapidary and one of the advertisements shows his premises in Marazion. Rare.

At some later date, Leechman also issued a stapled pamphlet of eight pages enclosed in hand-laid type paper, with the following on the cover: "Cornish Diamonds" | and | "How To Collect | Your Own | Gem Stones" | [rule] | G.Frank Leechman, F.G.A. | (Author of "The Semi-Precious Stones of Cornwall") | [rule] | 1/- [There is no place given, and no date, but the pamphlet was printed in Falmouth].

LEFEBVRE D'ARGENCE, RENÉ-YVON, see D'ARGENCE, etc

LE FEVRE, J, see ORSINI, F, 1710

LEFOLII, J P, see KOBELL, F v, 1856

3843. LEGGETT, THOMAS H Diamond mining in South Africa. *Cassier's Mag*, London, 14, 5, 1898, 371-93, 19 ill. JSL. Within modest limits a remarkably thorough report on the state of the industry: early history, nature of pipes, opencut & underground mining, weathering of kimberlite, processing & recovery of diamonds. Many fine early & contemporary photos.

3844. LEGNER, A Freiburger Werke aus Bergristall, Kristallschliff der Spätgotik und in den Jahrzehnten um 1600. *Schauins-Land, Jahresheft des Breisgau- Geschichtsvereins Freiburg i. Br.*, 75, 1957, 167-98. Not seen: Hahnloser & Brugger-Koch, 1985, p 260.

3845. LEGRAIN, LÉON(1878-) Catalogue des cylindres orientaux de la collection Louis Cugnin par Léon Legrain. Paris 1911. 54 p, 6 pls. Limited edition no 12 of 250 copies only. Paper wrap. 28 x 23 cm. Not seen, from T.Heneage Cat 8, London, 1984, no 336.

3846. -----1925

University Of Pennsylvania | The University Museum | [rule] | Publications Of The Babylonian Section | Vol.XIV | The Culture Of The Babylonians | From Their Seals In The Collections | Of The Museum | By | Leon Legrain | Philadelphia | Published By The University Museum | 1925

8°: 367, [1 blank] p; 12 text line drawings. Black cloth spine & corners, pale blue sides, gilt titles on spine. 26.9 x 20 cm(10 5/8 x 8 in). Te cut, others untrimmed. JSL. LC 27-11712.

Cont: tp; tab cont; pref; classif of collect; indexes; cat; blank p.

Collection of 1096 seals, classified according to chronological periods, archaic past Roman; remarks on special pieces, early Sumerian religion, sources of seals for the collection. Indexes: accession numbers, proper names, general. Pieces described in considerable detail with dimensions, places of acquisition, and material; separate atlas of plates, I-LXIV, not seen.

3847. -----1929 Gem cutters in ancient Ur. *The Museum J*, The Museum of the University of Pennsylvania, Philadelphia, Sept-Dec 1929, p 258-306, Pls 19-41, included in pag. JSL. Describes seals engraved with a variety of scenes, images, animals, myths, etc. Excellent photos.

3848. -----1936 Ur excavations Vol.III. Archaic seal-impressions. London and New York 1936, viii, 50 p, 58 pls. 1/4 cloth. 33 x 24 cm, Not seen: from T.Heneage, London, Cat 8, 338, 1984.

3849. -----1951 Ur Excavations Vol.X. Seal cylinders. New York 1951, x, 56 p, 43 pls. Cloth-backed bds. 33 x 24 cm. Not seen: from ibid, 337.

3850. LEGRAND, JACQUES, editor

Diamonds | myth, magic, and reality | Crown Publishers, Inc. New York [1980]

P [5]: "This work was conceived and produced with the collaboration of Hugh E.K.Allen... Godehard Lenzen... Louis Asscher... Richard T.Liddicoat, Jr... Philippe Chevalier... Bruno Morelli... Raoul Delvaux... Guy van der Schrick... Rene Delville... Henri-Jean Schubnel... Maurice E.Giard... Jean-Claude Serre... Eduard Gübelin... Norman R. Smith... Jona S.Hatsor... Hans Stern... George Kaplan... Herbert Tillander... under the direction of Jacques Legrand."

P [4]: "Original text and illustrations © 1980 by Smeets Offset, Weert, the Netherlands."

8°: 287, [1]p, ca 385 col ill; 35 others monochrome; 40 b&w ill(photos & drawings); tabs(part col); ch title numerals in reddish-brown. Last 4 f on col paper. Bright blue unfin cloth, gold title cover & spine; black plasticized dj, col photo rough diamond crystals & cut diamond on cover; 4 col photos back cover; flap resume & contrib list. 30 x 25.3 cm(11 3/4 x 10 in). Cut. LC 79-19036; ISBN 0-517-53981-0. JSL.USA $50.00.

Cont: 1/2tp; tp; publ data & edit staff; contribs; ackn; tab cont; 4 text parts; append; index; biblio(p 287-92 entries); print data.

Lavishly-illustrated, "coffee-table" book meant to appeal to the general public, stressing the romantic and cultural aspects of diamond but still containing considerable material on prospecting and mining, but much less on geology of deposits, and the mineralogy & crystallography of the diamond. Despite the differences in background among the numerous contributors, Legrand manages to weld together a respectable general work that has much to commend it in terms of simplified writing leading to easy comprehension of the facts. Curiously, R Maillard is listed twice as a contributor in the table of contents and Legrand himself five times, yet neither is included among the collaborators listed on p [5], nor as contributors on the back flap of the dustjacket. First part, historical: earliest knowledge of diamond in India, development of trade and trade routes into Europe, best known large diamonds of India, eg, Koh-i-Noor, Orlov, Regent(Pitt), and Hope; fine section on diamond in Brazil, another on South Africa; mostly written by Lenzen and largely repeat information from his *Produktions u Handelsgeschichte d Diamanten*, 1966, which see. Second part, geological, mining: prospecting, type deposits, deposits in several African and South American countries, also India, Borneo, and elsewhere, with recent, excellent-quality photographs, and some production statistics and comments on the role of the Central Selling Organization. Third part, diamond as a mineral, cutting, development of cuts and history of same in a long treatise by Tillander, modern cuts, standards of quality, commerce in cut diamonds, diamond as an investment. Fourth part, again historical: diamond in jewelry from antiquity to present, synthesis of diamond, technological employment of diamond. Many fine and germane illustrations throughout, but others, especially in historical parts, are mere "window-dressing." The bibliography includes most but not all important treatises on the diamond. On all counts an outstanding work of permanent value. Rev INDIAQUA, 25, 1980-2, 97.

3850A. -----1984, rev edit

Diamonds | myth, magic, and reality | New Revised Edition | Bonanza Books | New York [1984]

Same pagination, illus, etc, but for some unexplained reason, the author of the part on Venezuela, p 159-71, J C Serre, has now been removed from participation along with his contribution; in its place and fitted in exactly and retaining the former illustrations, is an entirely new text by H O A Meyer. Minor changes in front matter accordingly; changes in the colophon information on last p of text. Otherwise identical. Price unstated. Dj now with list of authors and with revised edition note on front.

3851. -----1981, Ger edit Der Diamant: Mythos, Magie und Wirklichkeit. Freiburg: Herder, 1981. 287 p, 403 col ill; 32 b&w ill; 16 maps. 260 x 306 mm. Dm 148.- but sold reduced in 1983 to DM 68.-. Not seen. Other editions were published in French, *Le Diamant*, Paris: Flammarion; Dutch, *Diamant*, Bruxelles: Elsevier Sequoia; Japanese, Tokyo: Sanyo; and Swedish, *Diamanten*, Stockholm: Bra Böcker.

3852. LEHMANN, G Farben von Mineralien und ihre Ursachen. *Fortschr Min*, Stuttgart, 58, 1978, 152-72, 39 ill; includes gemstones. Not seen.

LEHMANN, JOHANN GOTTLOB (1719-1767)

Ger scient; orig MD but turned to study of physical sciences; named to Prussian Mines Council by Frederick the Great; mbr Roy Soc Berlin 1754; to St Petersburg in 1761 upon invitation Tsarina Catherine; prof chem in univ; director collections Imper Acad Sci; first to analyze crocoite which led to isolation Cr by Vauquelin, *Biogr Univ* 23, 590-1; Pogg I, 1409-10; Weeks, *Disc Elements*, 1960, 272.

3853. -----1755 Histoire du chrysoprase de Kosemitz. *Histoire de l'Académie Royale des Sciences et des Belles Lettres de Berlin*, 1755, 202-14; not seen. This art extracted as "Hrn. M.Lehmans Naturgeschichte des Chrysopras von Chosemitz. Aus den Memoires de l'Academie de Berlin Th. 11," in *Mineralogische Belustigungen, zum Behuf der Chymie und Naturgeschichte des Mineralreichs*, 1 .Bd, Leipzig, bey Joh. Friedrich Heineck und Faber... 1768. No.24, p 367-84. JSL. Describes the famous gem quality chrysoprase of Silesia; comments on origin of name, remarks of ancients on this mineral, its color, distinction from other green stones, hardness, geology & features of the deposit.

3854. -----1766 Historia et examen chymicum lapidis nephritici. *Novi Commentari Academiae Scientiarum Imperialis Petropolitanae*, St Petersburg(Petrograd), 10, 1766, 381-412; not seen. Extract in "Geschichte und chymische Untersuchung des Nieren-(Gries-) Steines," *Neues Hamburgisches Magazin*, Stück 23, year (?), 403-42; not seen. Referred to in H Fischer, *Nephrit u Jadeit*, 2 edit, 1880, p 131, which see.

3855. -----1768 De vitro fossili naturali sive de achate islandico. Ibid, 12, 1767(?), pp(?); extract: "Von gegrabenen natürlichen Glaser, oder islandischen Achate," *Neues Hamburg Mag*, St 53, 1768(?), p 464-79; not seen.

3856. -----1768 Dissertation physico-philologique sur un passage difficile de Pline l'ancien relatif à la pierre précieuse connue des anciens sous le nom d'Asteria. *Mémoires de l'Académie Royale des Sciences et des Belles Lettres de Berlin*, not seen, extracted as "Herrn Lehmanns Abhandlung über eine schwere Stelle des Plinii B.37 Kap.47 worinnen von einem Edelgesteine der Alten, Namens Asteria, gehandelt wird. Aus den Berliner Memoires Th.100" *Mineralogische Belustigungen zum Behuf der Chymie und Naturgeschichte des Mineralreichs*, Th 2, 1768, Nr 16, 448-59, with fold engrav pl. This dissertation is on the "asteria" mentioned by Pliny in his *Natural History*, Book 37, ch 47, with Lehmann comparing several opinions as to the identity of the stone and then going on to describe a stone that he found which when polished displayed star-like figures and which he claims must be the sort of stone meant by Pliny. The stone is depicted from several viewpoints upon the engraved plate but bears no resemblance to any modern chatoyant stone.

3857. LEICHNER, GEORG

Unter Brasilianischen | Diamantsuchern | Von | Georg Leichner | [logo] | 1.-12. Tausend | [taper rule] | Wilhelm Goldmann Verlag Leipzig [1928]

8°: 195, [1], [12 advert]pl 15 glossy photo pls. Tan cloth, dk blue title on cover & spine. 18.7 x 12.6 cm(7 3/8 x 5 in). Te stained gray blue. LC 29-14768; USGS Kunz Coll; JSL.

Cont: 1/2 tp; tp; publ data; dedic; 8 chs; tab cont; advert.

Popularized stories of adventures in the Brazilian hinterlands while ostensibly searching for alluvial diamonds, but providing little useful information on diamonds and diamond mining, and much more on the land, its people, and their customs. The photographs consist of only one of diamond mining but many of naked native beauties.

3858. LEINZ, VIKTOR & LEONARDOS, OTHON HENRY Notas sobre as esmeraldas da Fazenda das Lages, Itaberahy, Goyaz. *Mineração e Metallurgia*, n° 4, Nov-Dez 1936, also issued separately as *Dept Nac Prod Min, Serv Fomento Prod Min Avulso* 13, 1936, pale tan printed wrap, 14 p, 4 photos, 23.3 x 15.9 cm (9 1/8 x 6 1/4 in). Cut. JSL. Describes this new occurrence of emeralds for the first time, the crystals found weathered from talc-schists. Othon misspelled "Otton" in wrap title.

3859. LEIPER, HUGH N (1899-1971)

The Agates | Of | North America | Compiled and Edited by | Hugh Leiper, F.G.A. | The Lapidary Journal, Publisher, | P.O.Box 518, Del Mar, California [1961]

Centerstapled: 95 p(first [2]p blank), ca 130 photos; col centerspread, 21 sketches, 6 maps. Col glossy wrap, the col centerspread on both covers, title overprinted on front cover. 29.3 x 21.8 cm(11 1/2 x 8 5/8 in). Cut. $2.00. JSL. LC 61-48203.

Compiles 37 articles by almost as many authors taken from past issues of *Lapidary J*, mostly on agate deposits, and deposits of other forms of agate and chalcedony. Contains the important article by John Sinkankas, 8-10, 16 refs, on current knowledge concerning genesis of chalcedony. There is much additional information equally useful. A very popular publication, reprinted frequently, with the 1966 revised edition containing four new articles and several older articles removed. By 1970, this work had gone into its 9th printing, and was bound in cementbacking.

3860. LEIPER, HUGH & KRAUS, PANSY D

Gem Cutting | Shop Helps | How-To-Do-It | Handbook | Compiled And Edited By | Hugh Leiper, F.G.A. | Pansy D.Kraus, F.G.A. | Assistant Editor | [orn] | Publishcd 1964 By | Lapidary Journal, Inc. | 3564 Kettner Blvd. | P.O.Box 2369 | San Diego, Calif. 92112

Cementback: [2 blank], VII, 230 p; ca 200 fig. Stiff col wrap, 4 col photos front cover. 24 x 16 cm(9 1/2 x 6 3/8 in). Cut. $3.95. JSL.

Compiles many articles from many authors taken from past issues of *Lapidary J*. Topics: gem cutting, sawing, grinding, sanding, polishing, diamond tools, cabochons, novelties, table tops, book ends, etc, and notes on individual gemstones and gemology. Numerous reprintings. Rev *G & G*, 11, 7, 1964, 222; *J Gemm*, 9, 9, 1965, 303-4.

3861. LEIPER, HUGH America's only diamond-bearing peridotite pipe. *Lap J*, 20, 9, 1966, 714-8, 722-33, ill.

LEIPER, H, see QUICK, L

3862. LEITE DE CASTRO

Companhia | De | Diamantes De Angola | [double rule] | Noticia Succinta Sobre A Sua Constituição, | Concessões Obtidas | E Trabalhos Realizados Em Angola. | [double rule] | Preparada pelo Engenheiro Leite de Castro, | Sub-Director ma Séde Social. | [double rule] | Lisboa | [rule] | 1929

8°: [1], [2 blank], [1], 50, [2 blank]p; 46 photos, 3 col text maps, 7 col graphs. Stiff, tan paper wrap, title in gold & maroon on cover. 25 x 17 cm(9 7/8 x 6 3/4 in). Cut. Glossy paper. JSL.

Publicity brochure issued by DIAMANG; short chs on forming company, its organization, location, extent & nature of alluvial diamond deposits for which concessions obtained, methods of mining & recovery, production data, social & living conditions of personnel & workers. Deposits in Lunda region of Angola.

3863. LEITMEIER, HANS Chalcedon. [Ch in:] C Doelter, *Handbuch der Mineralchemie*, 2, 1 half, 1914, p 165-85, 1 fig. Topics: synonymy, analyses & chemistry, physical properties, solubility, synthesis, origin & occurrences, paragenesis, alterations, pseudomorphs, artificial coloration, technical uses.

3864. -----1914 Opal. [Ch in:], ibid, p 240-69. Synonymy, varieties, analyses, chemistry, water content, physical properties, play of color, solubility, synthesis, genesis & occurrences, alteration, appendix(tripoli & tabasheer).

3865. -----1937 Das Smaragdvorkommen im Habachtal in Salzburg und seine Mineralien, *Tschermak's Min u Petrogr Mitt*, 49, 1937, 245-368, fig, maps. On the famous deposit of emerald in the Habach Valley of Salzburg, Austria: geology, petrography, mineralogy, mining history, extent of workings & tunnels, with emerald specifically treated on p 303-32, with determinations of optical & physical properties, chemical composition, color, color zoning, inclusions, etc. See also his "Das Smaragdvorkommen im Habachtal," *Min Petrogr Mitt*, 40, 1930, 11-15. Leitmeier was an Austrian mineralogist; PhD Vienna U; Pogg 6, 1492-3.

3866. LEMMLEIN, GEORGII GLEBOVICH(1901-1962) & FLINT, E E Gornyi khrustal i dymchatyi kvarts [rock crystal and smoky quartz]. *Nemetallicheskie Iskopaemye SSSR* [Nonmetallic Minerals of the USSR], Moscow & Leningrad, vol 5, 1941, 9-33. Not seen.

3867. LEMOINE, JOAQUÍN Los diamantes Sud-Americanos. Paris: Louis Michaud, ca 1910. 8°: 280 p, 4 f; portrait. Not seen.

3868. LENGYEL, E Jáspis-Változatok a Tokaj-Hegyaljáról - Jaspisvarietäten vom Tokaj-Hegyalija-Gebirge. *Földtani Közlöny, a Magyar Földtani Tarsulet Folyoirata*, Budapest, 66, nos 4-6, 1936, 129-47. Not seen. Jasper varieties in Hungary.

LENHER, V, see MOISSAN, H, 1904, 1920

3869. LENORMAND, JACQUES & LENORMAND, JEAN-PIERRE

Jacques et Jean-Pierre Lenormand | L'Or | Et | Le Diamant | En France Metropolitaine | Et Dans L'Union Francaise | Editions S.E.F. [Paris: 1952]

8°: 603 (first 2 p blank), [1 blank], [2] p; 29 fig; 17 photos on 7 f; 17 sketch maps on 17 f; photos & maps on leaves integral in text gatherings but not includ in pag. Green, stiff paper wrap, white title on cover; in black on spine. 23.9 x 15.4 cm(9 3/8 x 6 in). Cut. JSL.

Cont: blank f; 1/2tp; tp; publ data; pref; text tp; 4 parts; tab cont; tab of maps; tab of figs; publ data.

Gold and diamond deposits of France and its colonies & possessions, with first part on gold, second on gold deposits and companies exploiting same, third part, p 323-73, on diamond, with several figures and photos, brief description, market value, production figures worldwide, methods of prospecting & mining, recovery, and other topics, finishing this part with descriptions of deposits and working companies in French Equatorial Africa, Congo, Gabon, Guinea, Ivory Coast, French Guiana, and other places under the control of France. The fourth part describes organization and finances of gold and diamond mining companies, with the diamond companies listed on p 549-59.

LENORMANT, CHARLES (1802-1859)

Fr antiquary; b Paris; accompanied Champollion to Egypt 1828; prof hist Paris 1835-; wrote important archeol works. J Thomas, *Dict.*

3870. -----1834-1850

Trésor | De Numismatique | Et De Glyptique | Ou | Recueil Général | De | Médailles, Monnaies, Pierres Gravées, | Bas-Reliefs, Etc., | Tant Anciens Que Modernes, | Les Plus Intéressans Sous Le Rapport De L'Art Et De Histoire, | Gravé Par Les Procédés De M.Achille Collas, | Sous La Direction | De M.Paul Delaroche, Peintre, Membre De L'Institut; | De M.Henriquel [sic] Dupont, Graveur; | Et M.Charles Lenormant, Conservateur-Adjoint Du Cabinet Des Médailles Et Antiques | De La Bibliothèque Royale, Professeur-Adjoint A La Faculté Des Lettres. |... [description of contents, enclosed in horizontal rules]...| A Paris, | Au Bureau Du Trésor De Numismatique Et De Glyptique,| Rue De Colombier, N° 30. | Chez Rittner Et Goupil, Éditeurs Marchands D'Estampes, | Boulevard Montmartre, N° 15. | [rule] | 1834[-50]

An enormous work, issued in 252 parts of several pages & plates each, and so numbered in each of the volumes. These are apportioned among three major classes: "Monuments antiques," "Monuments du moyen âge et de l'histoire moderne," and "Monuments de l'histoire contemporaine." Details on all parts in Vinet 1654, and Brunet. Altogether 20 vols, 2°, with numerous finely engraved plates in the medal-ruling manner(contour lines) devised by Achille Collas(1795-1859), as a result of which the plates present seemingly three-dimensional images. 42.3 x 29.4 cm(16 3/4 x 11 1/2 in).

Only that volume entitled "Recueil Général De Bas-Reliefs et D'Ornemens, ou Mélanges Typoglyptiques. Ivoires. - Meubles. - Armes. - Bijoux", 1836, was examined; it contains many examples of engraved gems and several other objects made from

gemstones, consisting of a title leaf, 28 pages of descriptive text, and 40 plates depicting ca 150 objects.

3871. LENT, FRANK A

Trade Names and Descriptions | of | Marbles, Limestones, Sand- | stones, Granites and Other | Building Stones Quarried in | the United States, Canada | and Other Countries | Compiled by | Frank A.Lent | First Published Serially in Stone Magazine. Revised and Corrected | for this Edition | New York | Stone Publishing Company | 1328 Broadway, New York | 1925

8°: [4], 41, [1 blank], [1], [1 blank]p. Stiff, tan paper wrap, title in orn 3-rule frame on cover in brown. 27.8 x 22 cm(11 x 8 3/4 in). BM(NH).

Cont: tp; tab cont; ackn; 8 sects; blank p; advert; blank p. GS 25-204.

Useful compendium, brief descriptive notes, sources, and also including other decorative stones as calcite onyx, serpentine, amazonite, sodalite, and some others.

LENZ, HARALD OTHMAR(1798-1870)

Ger botanist, zoologist; stud classical philology, nat sciences at Göttingen, Leipzig, Halle univs; taught ancient languages, nat sci, ancient technology; wrote first scientific book on edible & poisonous fungi(col pls); also a specialist in herpetology. NDB, 14, 226.

3872. -----1861

Mineralogie | der | alten Griechen und Römer, | deutsch in Auszügen aus deren Schriften, | nebst Anmerkungen | von | Dr.Harald Othmar Lenz, | Herzögl. Sächs. Professor, Lehrer an der Erziehungsanstalt zu Schnepfenthal. | [wavy rule] | Gotha, | Verlag von E.F.Thienemann. | 1861.

8°: VIII, 194 p. 21.7 x 13.4 cm(8 1/2 x 5 1/4 in). BM(NH). JSL.

Cont: 1/2tp(?); tp; list of authors & index; text.

Cites statements on mineralogy in 37 ancient works with remarks on gemstones receiving adequate attention, from Homer to Palladius. Numerous footnotes supplied for vague or controversial passages. Theophrastus' *De lapidibus*, receives much attention, p 16-28, and consists of translations into German of passages from the English of John Hill's translation from the Greek. There are many short notes on the meanings of various statements and mineralogical identities as well as to their probable sources in ancient periods. However, of all ancient authorities that Lenz depended upon, Pliny's *Natural history* is given most space, p 158-73.

3873. -----1966, reprinted

Mineralogie |...|Wiesbaden | Dr.Martin Sändig oHG. [1966]

8°: VIII, 194 p + [1 advert], [1]p. Pale blue unfin cloth, gold lett cover & spine. 21.5 x 14.7 cm(8 1/2 x 5 3/4 in). Cut. Cont: blank f; tp; publ data; author list & index; text; errata; advert; blank p.

LENZEN, GODEHARD(1922-)

Ger economist, historian, gemologist; stud mineralogy, geology Bonn & School of Mines Clausthal, also economic history & allied subjects Graz & Hamburg, obtaining PhD on dissert whose book form appears below.

3874.-----1966

Produktions- und | Handelsgeschichte des Diamanten | Zeitlich geordnete Beiträge unter besonderer Berücksichtigung der | Preisbildung und der Konzentrationsbestrebungen der Urproduktion | Von | Dr.Godehard Lenzen | Fellow of Gemmological Association of Great Britain | Gemologist, Gemological Institute of America | [logo] | Duncker & Humblot/Berlin [1966]

8°: XVIII, 280 p; 18 photos on 6 bound-in glossy f; 21 fig(maps, diagrs, graphs); 7 tab. Dk blue cloth, silver title on cover & spine. 23.2 x 15.5 cm (9 1/8 x 6 1/8 in). Cut. DM 48.- JSL.

Cont: 1/2tp; tp; publ data; fwd; tab cont; index of tabs; ill list; 7 chs; concl; biblio(p 259-68, 194 entries); index of names; geographical index.

Thoroughly researched, detailed history of diamond production and trade from earliest times to present, beginning with first records of the diamond, diamond as a mineral and as a gemstone, also an industrial commodity, development of trade, growth of esteem of diamond, and in the last 4 chapters, diamond in India, Brazil, and Africa, and discussing all aspects of mining, cutting, marketing, development of production/sales controls, and with a conclusion that argues the continuing need for traditional cartelization and controls, impact of synthetic diamonds on the industry, and predictions of future stability in the market. An example of careful research, Lenzen having sifted through much of the pertinent literature of early Far Eastern, Indian, and Mediterranean cultures to trace the diamond from its probable first discovery in India along many paths by which it became known throughout the civilized world. He concludes that diamond came to Europe via Venice and that the art of cutting facets, as compared to mere polishing of natural faces on crystals, originated almost contemporaneously in Venice and India by at least the 16th century. He shows that De Berquen, usually credited as the originator of modern diamond faceting, cannot deserve the credit, inasmuch as faceted diamonds existed long before his time. Rev R Webster, *J Gemm*, 12, 3, 1970, 90-1, "the end product of a thesis written for academic purposes *Zs Dt Gemm Ges*, 58, 1966/67, 35-6; *G & G*, 12, 5, 1967, 160.

3875. -----1970, Engl transl

The History of | Diamond Production | and the Diamond Trade | by | Dr Godehard Lenzen | Fellow of the Gemmological Association of Great Britain | Gemmologist, Gemmological Institute of America | Translated from the German by | F.Bradley | [logo] | Barrie and Jenkins | London [1970]

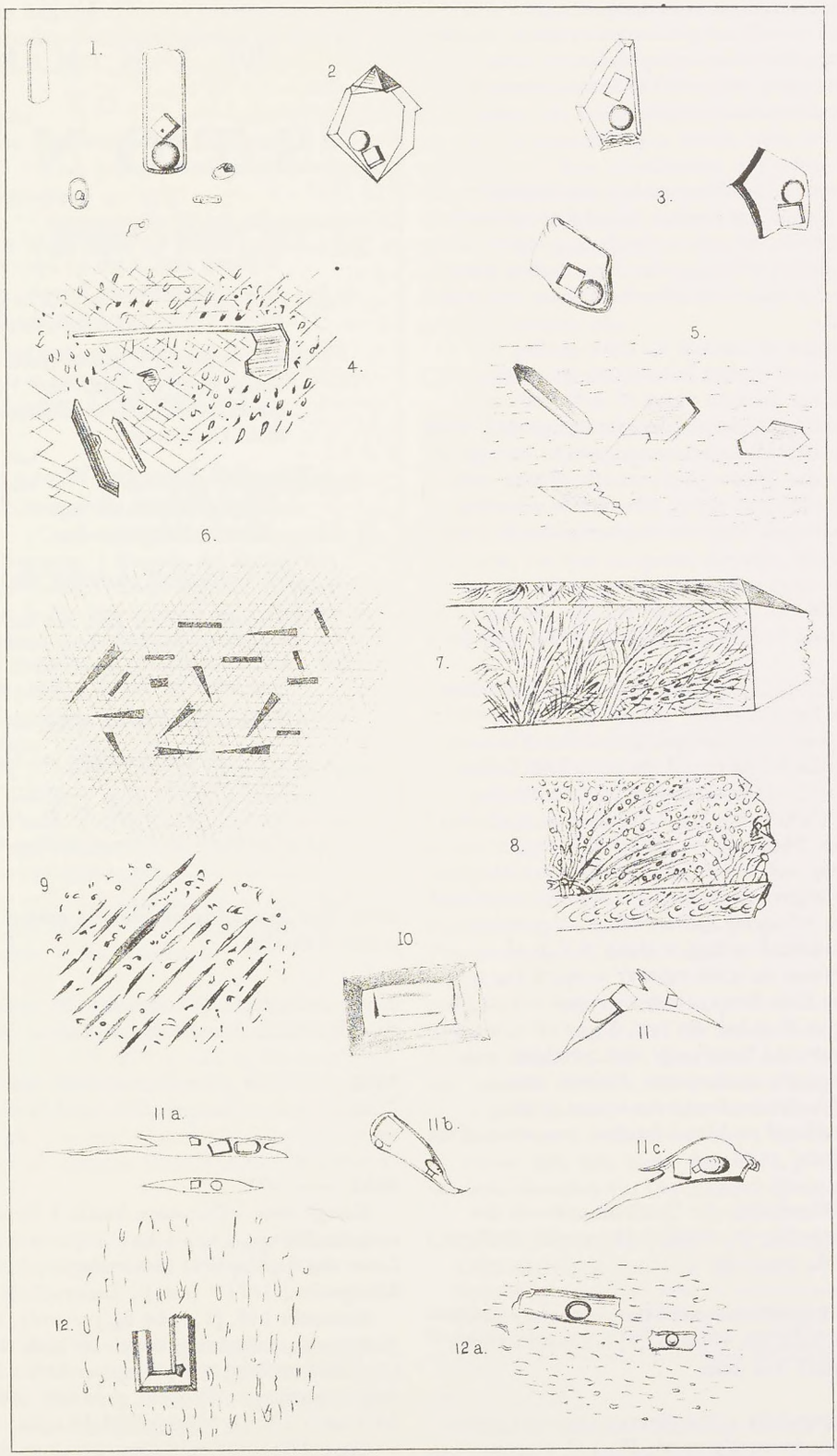
8°: xvi, 230, [2 blank]p; same ill. Bright green cloth, gold lett & logo on spine. Green col dj, resume, vita, advert. 22.9 x 15.2 cm(9 x 6 in). Cut. 80s or £4.00. ISBN 214:65084.7. JSL.

Cont: 1/2tp; tp; publ data; pref; tab cont; list tabs; ill list; 7 chs; postscript; biblio(p 212-9); blank p; names index; geographical index; blank f.

3876. ----- 1970, New York

The History of |...| F.Bradley | [logo] | Praeger Publishers [1970]

Except for front matter changes, identical; $12.50. LC 69-18311.



3820. Isaac Lea's depiction of inclusions in gemstones

Rev *G & G*, 13, 7, 1970, 236, "although this book contains some interesting and hitherto unpublished information... it will no doubt be considered as dull and ponderous by many readers. Scores of sentences require close rereading and study, only to discover they are either vague and/or fail to make a clear-cut point. Many sentences are so complex [etc] ."

3877. -----1966

Die Qualitatsmerkmale | Des Diamanten | Geschichtliches und Gegenwärtiges | Teil 1: Die Farbe | Von | Dr.Godehard Lenzen, F.G.A. | Lenzen & Störmer / Hamburg [1966]

Centerstapled: [4], 39, [1 blank]p; tabs. Heavy white glossy paper wrap, black title on cover with blue band. 21 x 14.8 cm(8 1/4 x 5 7/8 in). DM 5,-.

History of development of schemes for color-grading diamonds based on statements in early Indian writings of 4th century BC to the present. Includes views of early Arabian authorities, and later, those of the post middle ages period. Most emphasis on Indian rules because these are shown to have persisted into the modern era. Thorough discussion of color-grading problem, discusses older and newer schemes for achieving consistent results, describes & evaluates instrumental aids. First part of a series.

3878. -----1967, Teil 2

Die Qualitätsmerkmale |...| Teil 2: Reinheit und Schliff |... [1967]

Centerstapled: [4], 52 p, 17 fig(includes several tabs). Same wrap, but with orange band,. JSL.

Clarity and accuracy of cutting as quality features of diamonds which affect pricing. Opens with excerpts from Indian lapidaries on how value rose with increasing weight but also with increasing approach to perfection in the case of octahedral rough diamond crystals. Here is given a brief dissertation on diamond crystallography and how the special features of octahedral crystals were well known to Indians and strongly influenced pricing of rough. Next follow discussions of optical properties and development of diamond cutting, and the evolution of modern cutting styles from the 16th century accepted forms. Clarity, or the freedom from flaws or other internal defects occupies somewhat more than half the text. Types of inclusions, with names, are again treated historically, and correlated with terms used today to describe similar faults. Modern grading problems are thoroughly discussed and the several grading systems in use compared and evaluated for their treatment of the factors of clarity and cut.

3879. -----1966-67 Geschichte der Qualitätsmerkmale des Diamanten. *Zs Dt Gemm Ges*, 57, 1966, p 18; no 60, 1967, p 20; 32 pp altogether; ill. Not seen.

3880. -----1966-67 Begriffliches und Historisches zur Bearbeitung des Diamanten. Ibid, 58, 1966, 4-19, notes(many refs); no 60, 1967, 20-9(notes). Not seen.

3881. -----1969 Proposal for a Scandinavian diamond-nomenclature (Scan.D.N.) comprising Denmark, Finland, Norway, Sweden. Official version in English language with a translation into German language by Dr.Godehard Lenzen, F.G.A. Separate: *Gold + Silber, Uhren + Schmuck*, Feb 1969, Stuttgart, stiff white paper wrap, title & publ data on covers, [16]p of text, 14 diagrams & graphs. JSL. Parallel text in German. Recommendations for standard nomenclature for cut diamonds.

THE
MIRROR
OF
STONES:
IN WHICH

The Nature, Generation, Properties, Virtues and various Species of more than 200 different Jewels, precious and rare Stones, are diſtinctly deſcribed.

Alſo certain and infallible Rules to know the Good from the Bad, how to prove their Genuineneſs, and to diſtinguiſh the Real from Counterfeits.

Extracted from the Works of *Ariſtotle*, *Pliny*, *Iſiodorus*, *Dionyſius Alexandrinus*, *Albertus Magnus*, &c.

By *Camillus Leonardus*, M. D.

A Treatiſe of infinite Uſe, not only to Jewellers, Lapidaries, and Merchants who trade in them, but to the Nobility and Gentry, who purchaſe them either for Curioſity, Uſe, or Ornament.

Dedicated by the Author to CÆSAR BORGIA.

Now firſt Tranſlated into *Engliſh*.

LONDON:
Printed for *J. Freeman* in *Fleet-ſtreet*, 1750

3896. First English translation of a general work on gemstones first published in 1502

3882. -----1969 Handelsbrauch als Inhalt der gegenwärtigen Diamant-Nomenklaturen. Ibid, no 2, p 41 ff,(18 pp), ill. Not seen.

3883. -----1971

Kurzgefasste | Diamantenkunde | für den Fachhandel | Eine erste Einführung | von | Dr.Godehard Lenzen, G.G., F.G.A. | Leiter des Fachbereichs Gemmologie | beim Förderungswerk Königstein | 1971 | [rule] | Lenzen & Störmer / Hamburg

Cementb: 149, [1]p; 64 fig(part col), 11 tab. Heavy, white glossy wrap, antique engrav pls on both covers in pale gray; black title on front cover & spine. 22.9 x 16.9 cm(9 x 6 5/8 in). Also in maroon, unfin cloth, gold title cover & spine, 23.1 x 16.9 cm(9 1/8 x 6 5/8 in). DM 18.- JSL.

Cont: 1/2tp; tp; publ data; tab cont; fwd; 18 chs; biblio(p 148, 8 entries); ill credits; other bks of author.

Brief survey major facts on diamond for use of tradespeople. Topics: cultural history, sources, crystallography, propertics(esp optical), induced color, mining & recovery, the diamond cartel,

cutting, quality factors, examination of cut gems, weight factor, diamond trade, synthesis, imitations & their discrimination. Most space devoted to quality factors and application in pricing. Rev *Zs Dt Gemm Ges*, 20, 3, 1971, 134.

3884. -----1973, 2nd edit

Kurzgefasste |...| beim Förderungswerk Königstein | 2. neubearbeitete Auflage | 1973 | [rule] | Verlagsbuchhandlung Elisabeth Lenzen / Kirschweiler

Cementb: 154, [6]p; 65 fig(part col); 15 tab. Blue-green unfin cloth, gold cover & spine titles. 23 x 16.9 cm(9 x 6 5/8 in). Cut. JSL.

Cont: 1/2tp; tp; fwd to 2nd edit; 18 chs; biblio(p 155, 9 entries); other bks of author; adverts.

Extensively revised, updated, esp where production/value figures are given, some new material added. *Rev Zs Dt Gemm Ges*, 22, 3, 1973, 140; *J Gemm*, 13, 8, 1973, 331.

3885. -----1976, Sp transl

Introduccion Al Estudio De | el diamante | Dr.Godehard Lenzen, G.G., F.G.A. | Director del Centro Aléman de Formación Gemológica | [Deutsches Berufsfortbildungwerk für Edelsteinkunde], Idar-Oberstein. | Versión del alemán el | Dr.Jose Navarrete Lopez-Cozar, Profesor adjunto de Mineralogía de la | Universidad de Madrid, Licenciado en Ciencias por las Universidades de Bonn | y Granada, Gemólogo por la Deutschen Gemmologischen Gesellschaft. | Editorial Entasa. Publicaciones Técnicas. Madrid [1976]

P[6]: "Collección "Gemologia Y Arte" Tomo II. Primera edición en lengua española: 1976."

8°: XI, [1 blank], [1], [1 blank], 191, [3 blank]p; 65 fig(part col); 13 tab. Maroon, plasticized cloth imitating crushed leather; gold spine title. Pale tan endp. Col dj, col photos cut & rough diamonds both covers; vita, resume. 21.4 x 15.5 cm(8 1/2 x 6 1/8 in). Cut. ISBN 84-7177-009-1. JSL.

Cont: blank f; 1/2tp; tp; ser & publ data; pref from 2nd edit(Sp); pref this edit; tab cont; 17 chs; biblio(p 181, 26 entries); list of instruments; index; 3 blank p.

3886. -----1979, 3rd edit Diamantenkunde mit kritischer Darstellung der Diamant-graduirung. Kirschweiler: Verlagsbuchhandlung Elisabeth Lenzen, 1979. 279 p, 132 ill, 90 drawings, 21 tab. Cloth. 17 x 24 cm. DM 60.-. Not seen, from the promotional flyer issued by publisher. "A completely new book, with substantially enlarged content." Covers the material taught in the diamond educational center in Idar-Oberstein. A 4th edit appeared in 1985.

3887. -----1983 Diamonds and diamond grading. Transl by Patricia B.Lapworth. Butterworths, 1983. 320 p, ill, ISBN 0-408-00547-5. $59.95. Not seen.

3887A. -----1984 Edelstein Bestimmung mit gemmologischen Geräten. In schoolbook cloth(buckram?), 320 p, 24O 2- & 4-col ill, 17 x 24 cm. DM 128.- Not seen. Identification of gemstones based especially on a physical background.

LENZEN, G, see LEGRAND, J

3888. LEONARDOS, OTHON HENRY Diamante e carbonado no Estado da Bahia. Brasil, Dept Nac Prod Min, *Serv Fomento da Prod Mineral Avulso* 19, 1937. Centerstapled: 16, [5], [1 blank]p; 15 photos on 4 glossy f tip-in; pale tan print wrap, cover title, adverts. 23.4 x 16 cm(9 1/4 x 6 1/4 in). Cut. JSL. "Separate from *Mineração e Metallurgia*, No 5, Jan-Feb 1937." Also reprinted in *Gemologia*, Periódico da Assoç Brasil de Gemologia, São Paulo, Ano 4, no 14, 1958, p 1-20. History of alluvial diamond mining in Bahia, types of diamonds found, carbonados & their classification and value, famous large carbonados, the diamond regions, modes of occurrence, geology of the "chapada" or highlands, methods of mining, estimated number of active miners at the time of writing. Biblio of 59 entries; list of individuals & concerns engaged in mining. Photos of highland scenes, along rivers, miners at work. Important and with excellent bibliography.

LEONARDOS, O H, see LEINZ, V

3889. LEONARDOS, O H & MORAES, LUCIANO JACQUES DE Quartzo. *Brasil, Serv Fomento da Prod Mineral, Avulso* 11, 1936. Centerstapled: 16 p, printed wrap, cover title, 23.2 x 16 cm(9 1/8 x 6 1/4 in). Cut. JSL. Separate from *Mineração e Metalurgia*, nos 2 & 4, Jul-Aug & Nov-Dev 1936. In two parts, the first on quartz deposits, mineralogy, mining, export of lapidary grade rose quartz from several states of Brazil by Leonardos, and the second part, by Moraes, on quartz in northern Minas Gerais, ie, rock crystal, amethyst, etc.

3890. LEONARDOS, O H & SALDANHA DA GAMA, REYNALDO Diamante "Darcy Vargas" e outros grandes diamantes Brasileiros. *Boletins da Faculdade de Filosofia, Ciencias e Letras da Universidade de São Paulo*, XVIII, Mineralogia No 3, [Oct], 1939, p 3-27, 11 photos on 4 pls(counted in pag). JSL. The introduction discusses genesis of diamond in Brazil, geology of the fields, modes of occurrence, and is followed by a table listing 58 major diamonds from world-wide sources, giving for each the name & date of discovery, weights in old & new carats for both rough & cut. The text proper describes the Darcy Vargas stone, 460 carats, found in 1939 in the municipality Coromandel, Minas Gerais, and then provides brief descriptions and histories of many other large Brazilian diamonds as the Presidente Vargas, Star of the South, Coromandel, Dresden, Empress Eugenie, and others. Includes a brief note on large carbonados, references, and photos of rough Darcy Vargas crystal from various viewpoints and showing some surface features. There is a Latin resume(!). In a later issue of the journal above, XXI, Min No 4, Apr 1941, p 15-23, 2 photo pls, Saldanha describes the Coromandel diamond of 400.65 carats.

LEONARDUS, CAMILLUS, or LEONARDI; CAMILLO LUNARDI, of Pesaro(fl 15-16 c)

Very little is known of the author; he seems to have been a learned doctor of medicine and arts, practising medicine & astrology in Italy, and highly esteemed by his patron, Cesare Borgia(1475(6?)-1507), to whom he dedicates the work; other works by him are mentioned by Thorndike, *Hist Magic*, 6, 298.

3891. -----1502

Speculum Lapidum Clarissimi Artium | Et Medicine Doctoris Camilli | Leonardi Pisaurensis. | Valerii Superchii Pisaurensis Physici Epigramma. | Quicquid in humanos gemmarum parturit usus | Terra parens: uasti quicquid & unda maris. | Quâlibet exiguo claudis Leonarde libello | Mirandum/& serae Posteritatis opus. | Quod positis Caesar interdum perlegat

armis: | Seruariq$_3$; suas imperet inter opes | Et tibi pro meritis aequos decernat honores: | Consulat & famae tempus in omne tuae. | [woodcut logo, a cat, with kitten in mouth, beneath a crown; wreaths] [Venice: 1502; see colophon below]

Colophon, f LXVI... Finis. | Camilli Leonardi Pisaurensis Physici Liber qui Speculum | lapidum inscribitur; hic feliciter explicit: Impressus Ve/ | netiis per Ioannem Baptistam Sesta Anno Dni | .M.D.II. Die Primo Decembris. | [woodcut logo]

4°: 66 f, verso last f blank; a-p^4, q^6. Error in fol sig g as follows: XXV, XXVIII, XXVII, XXVI, but text reads correctly. The only text figs are very small woodcut planetary signs in left margins of f LVII v, LVIII r, and one sign at left on f LXI r. Ch orns, inits. 19.9 x 14.7 cm(7 7/8 x 5 3/4 in). Cut. USGS Kunz Coll, GS 34-626; DeGolyer Coll, U Okla.

Cont: tp; blank p; epistle; proemium; tab cont; 3 bks; colophon & logo; blank p.

This work is ably described by Thorndike, *History of Magic*, 6, p 298-302, ie, "the *Speculum lapidum* or *Mirror of Stones* of 1502 was dedicated to Caesar Borgia. Camillo justified the writing of it by the assertion that he had not found the subject treated completely by any previous author, although it had been touched on by divers doctors, both ancient and modern. It does not seem, however, that his book represents any distinct advance over the treatment of gems and their sculpture in the *De mineralibus* of Albertus Magnus, from whom he has borrowed extensively. Neither in tone nor content does Camillo make any noteworthy departure from the traditional treatment of gems common to the previous authors. Indeed, his book is merely a compilation with little trace of independent or scientific observation... Brasavola, writing in 1534, said that he knew of no one who had written more ineptly on any subject than Lunardi on stones... *The Speculum* is not a long treatise, running to about thirty thousand words. More than a third of the space is devoted to an alphabetical listing and description of particular stones, while another third is occupied with astrological and magic images carved on gems and is in large part made up of chapters drawn from various books of magic. In both cases it is the occult virtues of gems or of images engraved upon them that especially attract the author's attention."

Leonardus lists, among others, the following authorities from which he drew information, Dioscorides, Aristotle, Hermes, Evax, Serapion, etc., as well as Albertus Magnus, all of which were noted by Thorndike, who also concludes that Leonardus believed in the magical properties of gemstones, and after noting the various editions, includes therein the plagiarism of Ludovico Dolce, which see. This work was described by Conrad Gesner in his *Bibliotheca universalis*, 1545, f 161 r. See also comments of Mariette, *Traité de Pierres Gravées*, 1, p 248-9 concerning the credulity of Leonardus in respect to engraved gem magical powers. A modern extended review by J H Oughton, *Austral Gemm*, 74, 1967, 20-6, who calls it "the very first[!] gemmologist's compendium."

3892. -----1516, 2nd edit Speculum lapidum... [colophon:] Impressum Venetiis per Melchiorem Sessam & Petrum de Rauanis sociis: Anno Domini. M.D.XVI. Die. XX. Mensis Nouembris. Small 4°, fol I-LXVI. Not seen, taken in part from J Ferguson, *Bibl Chemica*, 2, p 27; also Cat 1 of Emma Sermoneta, Bologna, May 1979, who notes "as rare as the original edition of 1502." *Hoover Coll* 1980, no 524; Zeitlin & Verbrugge Cat 262, 1982, no 70; Ward & Carozzi 1367; Dewalque 303.

3893. -----1533, Augsburg

Specvlvm La- | Pidvm Clarissimi Artivm Et Medi= | Cinae Doctoris Camilli Le= | Onardi Pisavrensis. | Valerii, Svperchii Pisavren= | sis Physici, Epigramma. | Quicquid in humanos gemmarum parturit vsus | Terra parens, vasti quicquid & vnda maris, | Quanlibet exiguo claudis Leonarde libello, | Mirandum, & serae posteritatis opus, | Quod positis Caesar interdum perleget armis, | Seruaricq$_3$ suas imperet inter opes. | Et tibi pro meritis aequos decernat honores, | Consulat & famae tempus in omne tuae. | Avgvstae Vindelicorvm Excvdebat | Henricvs Silicevs Mense Maio | Anno M.D.XXXIII. [Augsburg, 1533]

4°: [4], 67, [1] f; A^4, A-R^4 [sic]; f 22, 24, 29 & 31 misnumbered; sig Riii missigned Aiii. Last f colophon: "Excvdebat Henricvs Silicevs | Mense Maio, Anni | M.D.XXXIII", the verso blank. 19 x 13.5 cm(7 1/2 x 5 3/8 in). Cropped. JSL; Dewalque 304.

Cont: tp; epistle; proemium; tab cont; list of gemstones; tab cont for 3rd bk; text;colophon; blank p.

3894. -----1610, Paris edit, with Petrus Arlensis de Scudalupis *Sympathia*

Specvlvm | Lapidvm | Camilli | Leonardi. | Cvi Accessit | Sympathia | Septem Metallorum | ac septem selectorum | Lapidum ad Planetas. | D.Petri Ar- | lensis de Scudalupis | Presbyteri Hiero- | solimitani [foregoing in a central oval area of full-engrav tp; below upon a panel:] | Parisiis. | Apud Carolum Seuestre,& | Davidem Gilliū via Jacobaea | e regione Mathurinorū, | Et | Joannem Petitpas, via D.Joā. | Lateran. in collegio | Cameracensi. | 1610. | [below left:] Cum priuilegio [on same level, right:] Regis

Entire title engraved, displaying a 4-column monument, 3 cupids atop, a necklace of gems suspended above title, columns resting on plinths between which is the panel with publishing information.

A second title is provided for the *Sympathia*, see below, but text in both works paged continuously, except for the interruption noted.

8°: [44], 244, [2 blank]p + [1], [1 blank]p + p 345[recte 245]-499 + [1 blank]p + [36]p; ā^8, ē^8, ī^6, A-Kk^8, Ll^6. Portrs of Duke of Nivernois and Petrus Arlensis engrav by Thomas de Leu; 2 text woodcuts of rings, set with gems, p 259; of magnets, p 458; ch orns, inits. 17.6 x 10.8 cm(7 x 4 1/4 in). Cropped. JSL; Dewalque 302.

Cont of first work: tp; letters; commends; anagrams; poems; 2 portrs; approb; errata; text in 3 bks; blank f.

Sympathia | Septem | Metallo- | Rvm, Ac Septem | Selectorvm | Lapidvm Ad | Planetas. | D.Petri Arlensis, | de Scudalupis, Hierosolymi- | tani Presbyteri. | [logo] | Parisiis, | Apud Davidem Gillivm, Via | Iacobaea sub signo trium Coronarum. | [rule] | M.D.CX. [1610]

The publisher's logo: 3 crowns, one above the other, held by a pair of hands; banner "Hic Labor" all enclosed in olive wreath.

Cont: tp; blank p; text from p 345[recte 245] to 499, commencing with a proemium; blank p; index; privilege. While both works are included in the signatures, the pagination is interrupted by a blank f at end of first work and a title f for the second, neither included in signatures.

While nothing is remarkable about this edition of the *Speculum*, it is the first appearance of the *Sympathia* according to Ferguson, *Bibl Chemica*, 2, 184. For comments on the *Sympathia*, see Petrus Arlensis de Scudalupis.

3895. -----1717, with *Sympathia* and Petrus Constantius Albini *Magia Astrologica*

Camilli Leonardi | Speculum Lapidum, | Et | D.Petri Arlensis | De Scudalupis, | Presbyteri Hierosolymitani, | Sympathia | Septem Metallorum | Ac Septem Selectorum Lapidum | Ad Planetas. | Accedit | Magia Astrologica | Petri Constantii Albinii | Villanovensis. | [engrav vignette] | Hamburgi | Apud Christianum Liebezeit, 1717. [title in red & black]

The rect vignette, 5.3 x 8.8 cm, is a large table or platform upon which crouches a cupid, among various objects, and above Father Time, in flight.

8°: [32], 390 p + 84, [36]p; a-b^8, A-Hh^8, Ii^7; engrav portr Petrus Arlensis on last f of sign a; fullp woodcut of rings p 198; another of magnets p 357. Ch orns, inits. The final work is paged separately but included in the signatures. 16.2 x 9.5 cm(6 3/8 x 3 3/4 in). Cropped, probably severely. JSL; Dewalque 301.

Cont: tp; blank p; letters; lauds, etc; texts p 1-186 & 187-390; text of *Magia*; index.

The title to *Sympathia* is merely a text title reading as follows: Sympathia | Septem | Metallorum, | Ac | Septem | Selectorum | Lapidum ad Pla- | Netas. | Doct. Petri Arlensis, | De | Scudalupis, Hierosolymitani Presbyteri.

The title to *Magia* is full and on own leaf as follows: Magia | Astrologica, | Hoc est: | Petri Constantii Albinii | Villanovensis, | Clavis Sympathiae | Septem | Metallorum, | Lapidum ad Pla- | Netas. | Pro majore illius illucidatione | Opus tam Astrologis, | quam Chymicis per utile | & jucundum. | Liber olim impressus Paris. 1611. apud Carol. | Sevestre & David Gillium, | Jam propter ejus raritatem recusus | Hamburgi, | Apud Christian. Liebezeit. Anno 1716.

3896. -----1750, Engl edit

The | Mirror | Of | Stones: | In Which | The Nature, Generation, Properties, | Virtues and various Species of more | than 200 different Jewels, precious and | rare Stones, are distinctly described. | Also certain and infallible Rules to know the | Good from the Bad, how to prove their | Genuineness, and to distinguish the Real | from the Counterfeits. | Extracted from the Works of Aristotle, | Pliny, Isiodorus, Dionysius Alexandrinus, | Albertus Magnus, &c. | By Camillus Leonardus, M.D. | A Treatise of infinite Use, not only to Jewellers, | Lapidaries, and Merchants who trade in them, | but to the Nobility and Gentry, who purchase | them either for Curiosity, Use, or Ornament. | Dedicated by the Author to Caesar Borgia. | Now first translated into English. | [rule] | London: | Printed for J.Freeman in Fleet-street, 1750.

8°: [3]p + p iv-xiv + p 15-240; A-K^8; ch orns. 16.5 x 10.7 cm(6 1/2 x 4 1/4 in). Cropped. Also seen: 17.5 x 11 cm(6 7/8 x 4 3/8 in). USGS Kunz Coll, GS 34-334; JSL; Ward & Carozzi, 1368.

Cont: tp; dedic; transl pref; proemium; text.

Straightforward translation but omitting the third book of the original in which graven images on gems are treated, because "but as nothing of this Kind suits the Taste of the more enlighten'd Moderns, we judged it wholly impertinent to trouble our Readers with Speculations not agreeable to right Reason, nor indeed consistent with our Religion. However, if the Curious... are desirous of knowing the Sentiments of the Antients in these Matters. .. we will give them a Translation of this our Author's Third Book, in a small volume by itself." Such a separate work, however, never appeared. In addition to summarizing the contents, the translator (preface) provides a lively and amusing account of the rarity of previous editions and the lengths to which one English nobleman went to obtain a copy on the Continent.

3897. LEONE, E & CUMO, C Gemme naturali e artificiali. Valenza: Editrice Elleci, 1985. 575 pp, ill in b&w and col. Lire 90,000. "This large book is intended to cover all the varieties of minerals that can be used ornamentally;" not seen, from rev *J Gemm*, 20, 4, 1986, 253. Topics: testing, causes of color, occurrences, inclusions, descriptions, bibliography, identification tables. "First-class colour pictures... some fine black-and-white ones, too."

LEONHARD, K C v , see HAÜY, R J , 1818

3898. LEONOV, BORIS NIKOLAEVICH; PROKOPCHUK, BOGDAN IVANOVICH & ORLOV, IURIY LEONIDOVICH

B.N.Leonov, B.I.Prokopchuk, | Iu.L.Orlov | Almazy | Prilenskoy Oblasti | Izdatelstvo "Nauka" | Moskva 1966

Cementb: 278, [2]p; 69 fig(includes 4 fold maps & cross-sects); 33 tab(1 fold). White, thin paper wrap, blue-tint photo of diamond crystals on cover with b&w title. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cut. 1 R, 31 k. 1,000 copies.

Cont: ser tp; tp; publ data; pref; 6 pts; summ; biblio(p 270-7, 159 entries); tab cont; publ data.

Geography/geology of Prilensk diamond region along N section Lena R, S of Laptev Sea in Yakutia, Siberia. Topics: regional geology, diamond deposits(alluvial & kimberlite), crystal characteristics with much on morphology(many ill); origin of deposits, methods of prospecting.

LE POIS, ANTOINE(1525-1578)

Fr numismatist, physician; stud lit & medicine; first physician to Charles III at Nancy; developed intense interest in coins, engrav gems, and formed valuable collections; his work below is "esteemed." *N Biogr Gén* 30, 851.

3899. -----1579 Discours sur les médalles [sic] et gravevres antiques, principalement Romaines; plus une exposition de quelques planches au tables estant en fin du livre, par Antoine Le Pois, conseiller & médecin de (Charles III) Duc de Lorraine. Paris, 1579, par Mamert Patisson... au logis de Robert Estienne. Not seen, Leonce Laget, Paris, Cat 1970, no 7251 gives: "petit in-4... titre, 3 ff. n.c., 149 ff., 3 ff., n.c. Exemplaire en tout premier tirage: Nous n'avons que 4 ff. preliminaires, alors que dans les deux autres tirages ils sont au nombre de 7 et 8. Il n'y a pas de portrait gravé au dos du titre. Bien complet des 20 planches de medailles gravees par Pierre Woeriot et des 5 figures sur bois a pleine page." Vinet 1608; Mariette, *Pierres gravées*, I, 249-50; Furtwängler, *Die antiken Gemmen*, 3, 403. The last 3 chs on history of rings, origins, uses, types, seals, remarkable rings, and details on stones used & virtues of same; 48 gemstones included.

3900. LERCH, EVERETT C

How To Cut A | Moonstone Catseye | Every Time | Published by | Everett C.Lerch | Post Office Box 3166 | Bristol, Tennessee 37620 | Price $1.00 postpaid | Copyright 1972 by Everett C.Lerch

Centerstapled: 24 p; 13 line drawings. Glossy wrap, photo of chatoyant gem upon a green band on cover with title. 16.3 x 11.9 cm(6 3/8 x 4 5/8 in). Cut. JSL.

Describes feldspars yielding chatoyant gems, occurrences, crystals & outer signs, orienting rough, lapidary treatment.

LE ROY, JACQUES or JACOB (1633-1719), Baron

Belgian historian; civil servant in government of Pays Bas. *N Biogr Gén*, 30, 887-8.

3901. -----1683

Achates | Tiberianus, | Sive | Gemma Caesarea, | Antiquitate, Argumento, Arte, Historiâ prorsùs | incomparabilis, | Et cui parem in Orbe Terrarum, non est reperire, | D.Augusti Apotheosin | Imp.Caes. Tiberii, Augustaeque Juliae Domus, | Seriem & Iconas, Gentesque Bello captas | Repraesentans, | Ante annos propè mille & septingentos caelata: quae in Sacro Regis | Christianissimi Gazophylacio asservatur, | Et Personarum, figurarumq$_3$, quae in eo Cymelio visuntur exsculptae, nova Notitia | & Explicatio, Notis Historicis illustrata: | Auctore Jacobo Le Roy, lobero Barone S.R.I. | Accesserunt & aliorum hujus Gemmae Interpretum dissertationes, nec con alterius Gemmae Augusteae. | [large woodcut scenic/baroque orn] | Amstelaedami, | Prostant Bruxellis apud Franciscum Foppens. M.DC.LXXXIII. [Amsterdam, 1683]

4°: [8], 63, [1 blank]p; *^{4}, A-H^4; 2 large fold engrav pls bound-in after front matter, one the Gemmae Caesarea, the other the Agathe de la Saint Chapelle(Achatis Tiberiani); 1 engrav text fig; ch orns, inits. 31.2 x 19.1 cm(12 1/4 x 7 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; dedic; pref; pls; text; blank p.

Describes and attempts to identify the figures and interpret meanings of the persons portrayed on these two record-size cameos, one known as the Gemma Augustea, 23 x 19 cm, now in the Kunsthistorischen Museum in Vienna, and depicted on Plate 4, Eichler & Kris, *Die Kameen im Kunsthist Mus*, with a lengthy description and history, p 52-6, and the other, the Grande Camée de France, 31 x 26.5 cm, in the Cabinet des Médailles in Paris, and described and depicted by Richter, *Engraved Gems of the Romans*, p 104-5, Fig 502. Le Roy's views on the persons shown in the gems are compared to earlier contributions to the problem, eg, Mariette, *Pierres gravées*, 1, 348-9, 463. Both cameos are shown full size in the engravings.

3902. LESLEY, PARKER

Handbook | of the | Lillian Thomas Pratt Collection | Russian Imperial Jewels | by | Parker Lesley | The Virginia Museum of Fine Arts | Richmond, Virginia [1960; title printed over pale gray Russ Imper coat-of-arms in pale gray Grecian-motif frame]

8°: 87 (first f blank), [1]p; 31 text photos. Dk green ribbed cloth spine, gold title; dk green mbled paper sides; dull brownish-red endp. Dull brownish-red dj with gold-metal label cemented to cover & embossed with title! 25.5 x 17.8 cm(10 x 7 in), Cut. $5.00. LC 58-7347. JSL.

Cont: blank f; tp; publ data; fwd; tab cont; ackn; scope; installation; Fabergé biogr; catalog; publ & print data.

Beautiful, tasteful catalog of the important collection bequeathed to the museum by Lillian Thomas Pratt(Mrs John Lee Pratt) in August 1947. The collection was formed between 1933-46, and "comprises what is, numerically [ca 600 items], one of the three or four largest collections outside Russia of works from the atelier... of Fabergé, as well as other masters"(p 9). Items include animal carvings, major Easter eggs, flowers, picture frames, handles, icons, jewelry, etc. Illustrations show interior of museum, the Tsar's family, portrait of Fabergé, and many of the important pieces.

3903. -----1976, another edit

Fabergé | A Catalog Of The Lillian Thomas Pratt Collection | Of Russian Imperial Jewels | by Parker Lesley | Virginia Museum/Richmond, Virginia [1976; a Russ Imper Eagle surmounts the title; "Fabergé" in blue]

4°: 160 p; 250 col photos. Dk blue unfin cloth, gold spine title with gold eagle; blind "Fabergé" on cover with gold eagle. Dk blue endp with diaper pattern of crowns in gold. Gold & blue dj, embossed eagle & several lines of lett. 27.8 x 22.9 cm(11 x 9 in). Cut. LC 76-16557; ISBN 0-917046-00-5. $17.50. Sold only at museum. JSL.

Cont: tp; publ data; tab cont; fwd; ackn; scope of coll; Fabergé & his atelier; catalog; materials & technique; design credits.

The text of this new catalog remains essentially the same, however there is a new foreword by James M Brown, Director, replacing that of Leslie Cheek, Jr, while the short chapter entitled "Installation of the Collection" in the original is omitted as are all the photographs of the Royal Family, residence, etc. In fact, none of the original illustrations remain, all being replaced by the high quality color photographs made specially for this edition and depicting every item in the Pratt Collection. This catalog is much better than before, is handsome in its design, and made from high-quality materials; the self-imposed restrictions on sale probably will cause it to become a collector's rara.

LESSA, D, see MAWE, J, 1922

LESSER, FRIEDRICH CHRISTIAN(1692-1754)

Ger theologian, naturalist; at early age assembled large coll nat hist objects(destroyed by fire, Nordhausen, 1712); stud theology, nat hist, medicine U Halle; pastor of several churches; prolific writer; formed large rare book library; Pogg I, 1436; *Biogr Univ* 21, 301-3.

3904. -----1735

Friedrich Christian Lessers, | der Kirchen am Frauenberge in der Kayserl. freyen Reichs=stadt | Nordhausen Pastoris, und des Waysen-Hauses daselbst | Administratoris, | Lithotheologie, | Das ist: Natürliche Historie | und geistliche Betrachtung | derer Steine, | Also abgefasst, dass daraus | Die Allmacht, Weissheit, Güte | und Gerechtigkeit des gros= | sen Schöpffers | gezeuget wird, | Anbey | viel Sprüche der Heiligen Schrifft | erkläret | und die Menschen allesamt | zur Bewunderung, Lobe und Dienste des | grossen Gottes ermuntert werden. | Zum Druck befordert | und mit einer Vorrede begleitet | von | Johann. Alberto Fabricio, | Doct. und Prof. Publ. des Gymnasii zu Hamburg. | [rule] | Hamburg, bey Christian Wilhelm Brandt. 1735.

8°: XLVIII, 1300, [56]p; a-c^8, A-Mmmm^8, Nnnn^2, a-c^8, d^4; 10 engrav pls (depicting 24 objects) bound-in at end; text woodcut p 1110; 3 fold tabs (p 242, 344, 436); ch orns. P between 1099-1105 misnumb as 1200-1204; the catchword "Das" on p 1300 does not connect. 17.1 x 10.3 cm(6 3/4 x 4 in). USGS Kunz Coll, GS 34-335; JSL; DeGolyer Coll, U Okla; Agassiz III, 454.

Cont: tp; dedic; author pref; Fabricius pref in which is included a prospectus of his forthcoming work "Aerotheologie;" text; conclusions; pls; index of Biblical extracts; subj index.

Utterly fascinating work in great detail & complexity, attempting to demonstrate the hand of God in every manifestation of the mineral kingdom. Lesser assembled an astounding fund of information culled from hundreds of ancient and modern sources and covering nearly every aspect of geology, mineralogy, paleontology, and gemology. So successful was he and apparently so careful in his choices and interpretations that the present work was very commonly quoted by later writers in earth sciences and mineralogy. It is divided into nine books, each with several parts and chapters. Book one explains fundamental interrelationships existing among lithosphere, atmosphere, hydrosphere, and biosphere. Book two on the origin and formation of rocks and minerals. Book three occurrences or deposits of mineral materials, including gemstones. Book four properties of minerals and stones. Book five "precious" and "non-precious" stones, with p 343-66 treating precious stones but restricted to a limited number of the better known species & varieties, the stones themselves being apportioned among transparent, translucent, and opaque kinds, ie, diamond, ruby, garnet, hyacinth, sapphire, amethyst, emerald, topaz, opal and chrysolite as transparent stones, and translucent stones as carnelian, sard, and other varieties of chalcedony; opaque stones include turquoise, malachite, jasper, lapis lazuli, jade. This book also contains descriptions of some famous diamonds and other large and valuable gems as well as some data on the precious stones mentioned in the Bible. Also among stones in this book are those that display remarkable inclusions, fanciful portraits or scenes, fossils, and crystals, and other curious if not marvelous mineral materials. Book six architectural, monumental stones, and also brief discussions of engraved gems, seals, and ringstones with p 832-46 describing and speculating on the true identities of the gemstones in the vestments & breastplate of the High Priest, suitably illustrated with diagrams showing their positions and identities. Book seven misuse of stones, ostentatious display of gemstones, superstitious belief in their powers, use of birthstones and planetary stones, and other topics of this nature. Book eight artificial stones of all kinds, including gemstones. Book nine "works of wonder" in stone, eg, Lot's wife turned into a pillar of salt!

3905 -----1751, neue Auflage Lithotheologie... Neu-verb.Aufl.Hamburg, C.W. Brandt, 1751, 2 v., 9 pls Not seen; from Ward & Carozzi 1381; however, Jonathan A Hill, Cat 11, 1983, p 47 gives 10 fold engrav pls + 3 fold tabs. Pogg I, 1436; Ferguson 2, 28.

LESSING, GOTTHOLD EPHRAIM(1729-1781)

Ger litterateur; b Kamentz, Upper Silesia; precocious student, entered Leipz U at 17; stud lit & arts; prolific, much-admired writer in whose works may be seen "the impress of an earnest, independent, and original mind." In 1760 apptd to Roy Acad Sci Berlin; in 1770 head librarian ducal Wolflenbüttel library. *Biogr Univ*, 21, 303-15, portr.

Friedrich Christian Leßers,
der Kirchen am Frauenberge in der Kayserl. freyen Reichs-Stadt Nordhausen Pastoris, und des Wayſen-Hauſes daſelbſt Administratoris,

LITHOTHEOLOGIE,
Das iſt:
Natürliche Hiſtorie
und geiſtliche Betrachtung
derer Steine,
Alſo abgefaßt, daß daraus
Die Allmacht, Weißheit, Güte
und Gerechtigkeit des groſſen Schöpffers
gezeuget wird,
Anbey
viel Sprüche der Heiligen Schrifft
erkläret,
und die Menſchen alleſamt
zur Bewunderung, Lobe und Dienſte des groſſen GOttes ermuntert werden.
Zum Druck befordert
und mit einer Vorrede begleitet
von
JOHANN. ALBERTO FABRICIO,
Doct. und Prof. Publ. des Gymnaſii zu Hamburg.

HAMBURG, bey Chriſtian Wilhelm Brandt. 1735.

3904. Lesser sees the Hand of God in every manifestation of the Mineral Kingdom

3906. -----1768-1769 Briefe, antiquarischen Inhalts... von Gotthold Ephraim Lessing... Berlin, F.Nikolai, 1768-9. 2 vols, 2 pls, 15 cm. Vol 1 printed on writing paper. Consult further Lachmann-Muncker's edit of Lessing's *Sämtliche Schriften*, vol 10. Not seen; from LC 13-16171. The "letters" were subsequently included in numerous editions of his collected works.

The letters, 57 in all, and apportioned among two parts, are preceded by a very brief preface. As was popular among competing antiquaries in those days, Lessing systematically demolishes a number of statements and conclusions reached by Christian Adolph Klotz(1738-1771) in his *Über die Nutzen und Gebrauch der alten geschnittenen Steine und ihrer Abdrücke*, Altenberg, 1768. While these remarks make amusing reading, as noted by King, see below, not much of real interest to the student of engraved gems appears until Letter 6, and not again until Letter 14 and subsequent letters. Among topics are uses of engraved gems by the ancients, whether or not they were in possession of the true emerald, their knowledge and use of diamond, their engraving techniques, and materials used in engraved gems. C W King, *Antique Gems and Rings*, 1, 465, "comprising a series of disquisitions upon the different heads of the glyptic art, in form of criticisms upon a work, published by Dr.Klotz, treating of the

same subject. From these essays more real information may be gained than from any other author that has come under my notice, and it is conveyed in a very amusing and piquant style ." More of Lessing vs Klotz in A Furtwängler, *Die antiken Gemmen*, 3, 417, who notes that "we can thank the thoughtlessness of Klotz for the splendid "letters of antiquarian content" of Lessing. See also Zazoffs, *Gemmensammler*, 1983, 166-8.

3907. LESTVENON, JOANES HENRICUS Specimen physico-theologicum, in quo tractatur de gemmis in pectorali pontificis Hebraei, nec non de lapidibus et fundamentis Hierosolymae coelestis, passimque spes populi Israëlitici, ac redemptio per Christum asseritur, e verbis Es.54.v.11.12. Amstelodami, 1736, 4°: 32 pp. Gatterer 2, 22; Hoover Cat; not seen.

3908. LETTRÉ, EMIL

Emil Lettré | Goldschmied | In | Berlin | Kleinodien | Die Farbigen Beilagen | Sind Nach Originalen | In Naturgrösse | Gezeichnet | Verlegt Bei Erich Reiss [Berlin ?, 1922]

After p 36: "Gedruckt Weihnachten 1922 bei Otto v. | Holten in 1000 numerierten Exemplaren | Nr. 975 [added by hand stamp]"

8°: [2 blank], 36, [1], [3 blank]p; 8 tinted litho pls bound-in with patterned tissues. Silver, crackled paper over bds; white vellum spine; blind frames both covers; gold title front cover; gold fish back cover. 13.5 x 9.8 cm(5 3/8 x 3 7/8 in). Cut. JSL.

Cont: blank f; front; tp; quot; text; ltd edit note; blank p; blank f.

An elegant memento of the jewelry firm named. Topics: history of jewelry, the diamond, emerald, ruby, sapphire, pearl, symbolism, and silver & gold. Unusual illustrations: pencil drawings, stylized for the most part, captioned in pencil, with one drawing showing a series of color bands with the names of birthstones thereon.

3909. LETURCQ, JEAN FRANCOIS(b 1826)

Notice | Sur | Jacques Guay | Graveur Sur Pierres Fines Du Roi Louis XV | Par | J.-F.Leturcq | Documents Inédits Émanant De Guay | Et | Notes Sur Les Oeuvres De Gravure En Taille-Douce Et En Pierres Fines | De La Marquise De Pompadour | [logo] | Paris | Libraire De J.Baur | Successeur De Liepmannssohn | 11, Rue Des Saints-Péres | [rule] | 1873 [title in red & black]

8°: VIII, [2 blank]p + [2]f of heavier stock, hand-laid paper inserted after text & bearing one p of publ advert; 11 tip-in photograv pls on as many f, all tissue-guarded, some printed in sepia ink. Tan paper wrap, full title in red & black on cover; black spine title; publ advert back cover. The half-title is a photograv or an original frame enclosing lett. 28.3 x 18.7 cm(11 1/8 x 7 3/8 in). Uncut. All paper is pale tan, ribbed & watermarked to simulate hand-laid. JSL; USGS Kunz Coll, GS 34-787.

Cont: 1/2tp; tp; pre & note; introd; text; pls list; tab cont; index; blank f; publ insert of 2 f.

Handsome work, made from high quality materials, tastefully designed and illustrated: essentially the biography of Jacques Guay(1715-1793), supplemented with comments on the engraved gems attributed to Jeanne Antoinette, Marquise de Pompadour(1721-1764), who, among other achievements in private and public life, attained considerable skill in the art of gem engraving (see also POMPADOUR). Jacques Guay, born in Marseilles, studied to become a jeweler in Paris, and for a time worked under the celebrated painter François Boucher(1703-1770) and was greatly influenced by him. Seeing the great collection of some 1400 engraved gems possessed by Pierre Crozat, he was inspired to try his hand at gem engraving, aided and encouraged by Pompadour who acted as protector, pupil, and collaborator. He was the creator of many fine gems and was the first gem engraver to be admitted to the Académie de Peinture et de Sculpture of Paris. The prefatory matter of the above work discusses the art of the gem engraver, the history of the art, various engravers of reknown, and several large gem collections. The career of Guay is given in considerable detail along with remarks on his gems and his relationship to Pompadour. This portion occupies pages up to 60, thereafter a kind of "appendix" actually forms the main body of text and consists of essays on prints made by Pompadour from Guay gems, descriptions of same, extracts from various exhibition catalogs and books on engraved gems in which Guay's pieces were included, then a catalog of his works in gems, and a supplemental note on Guay and his career. Leturcq mentions that not all works attributed to Pompadour by several 18th century writers are her own inasmuch as only five engraved gems can be certainly attributed to her hand. More important are her engravings of the Guay gems, some 52 to be precise, which are reproduced on the plates. Most of these gems were executed by Guay during an Italian sojourn about 1742 with many unsigned, and, as some believe, carved after designs of Bouchardon, Boucher, and Vien. Among other plates in this interesting book is the famous plate reproduced from Mariette showing a gem engraver at work, also a facsimile of Guay's handwriting, and a pair of sepia-tinted plates giving facsimiles of Boucher designs.

3910. -----1979, Amsterdam reprint, viii + 265 p, 11 pls, paper wrap, 23 x 15 cm. Not seen, from T.Heneage, London, Cat 2, p 11, no 84.

3911. LEUVEN, E P Beliefs, superstitions and facts about the birthstones. San Luis Obispo, California, priv publ, 60 p, $.50. Not seen: rev in *Lap J*, 14, 2, 1960, 221.

3912. LEUWENHOECK, ANTHONY VAN(1632-1723) Microscopical observations on red coral. No 316, p 126, *The Phil Trans Roy Soc London, Abridged*, vol 5, London, 1809, p 426-30. Describes fine structure in precious coral as seen in thin section under the microscope; gives results of various ignition and chemical tests; concludes that coral has no virtue as ingested medicine.

3913. -----1809 Microscopical observations on the configuration of diamonds. No 324, p 479. Ibid, p 537-9. Describes appearance of crushed diamonds under the microscope, pointing out certain striae which he believes represent growth accretions.

3914. LEVAT, M D

Rapport | A M.Le Ministre des Colonies et à M.Le Gouverneur général de Madagascar | et Dépendances, sur les Mines a Màdagascar, | [rule] | Richesses Minérales | De | Madagascar | Par M.D.Levat | Ancien Élève De L'École Polytechnique Et De L'École | Des Mines De Paris | Membre Du Conseil Supérieur Des Colonies | [rule] | Paris | H.Dunod Et E.Pinat, Éditeurs | 47 et 49, Quai des Grands-Augustins | [rule] | 1912 | Tous

droits de reproduction, de traduction et d'adaptation réservés pour tous pays, y compris la Russie.

8°: XVI, 359 p; 153 fig(photos, geol cross-sects, sk maps); 1 fold part col map of localities bound-in at end. 23.8 x 15.6 cm(9 3/8 x 6 1/8 in). Originally in pale gray print wrap. JSL.

Cont: 1/2tp; tp; introd; 4 chs; concl; tab cont; index; blank p; map

Describes geology & economic geology of Madagascar with a section on gemstones, p 171-91; Treats the geological provinces and in the last chapter, mining organization, administration, personnel problems, and mining law. While brief, the gemstone section succinctly describes important alluvial and pegmatite deposits with sketch maps of principal workings, with production and trade statistics.

3915. LE VAVASSEUR, ALINE Les pierres précieuses dans la "Divine Comédie." *Revue des Études Italiennes*, ns, 4, 1957, p 31-100; not seen, from Christel Meier, p 533.

3916. LEVCHENKO, SERAFIM VASILIEVICH & MOZESON, DAVID LAZAREVICH

Akademiya Nauk SSSR | Nauchno-Populyarnaya Seriya | S.V.Levchenko, D.L. Mozeson | Za Rudami V Sibir | [logo] | Izdatelstvo "Nauka" | Moskva 1978

Cementb: 141, [3]p; 2 text maps; 8 photos on 2 glossy f bound-in between p 64-5 & not includ in pag. Green, black & white print wrap, drawing of a forest scene with diamond crystals on front; resume back cover. 19.9 x 12.5 cm(7 7/8 x 4 7/8 in). Cut. 18,000 copies. 25 k. JSL.

Cont: tp; publ data; pref; 10 chs; tab cont; publ data.

Popular treatment of the mineral wealth of Siberia: history of mineral explorations from 15th century onward, development of mining & metallurgy, gold mining, iron-steel industry, exploration of Siberian platform which led to discovery of the diamond deposits of Yakutia, p 74 ff.

LEVEL, DINA, see TARDY, H L & LEVEL, D, 1980

3917. LEVESQUE DE GRAVELLE, MICHEL PHILIPPE(d 1752)

Recueil | De | Pierres Gravees | Antiques. | [woodcut orn, signed "V.L.S."] | A Paris, | De l'Imprimerie de P.J.Mariette, ruë | S.Jacques, aux Colonnes d'Hercule. | [rule] | MDCCXXXII. [in 2 vols see below]

Vol [I]: 4°: [1], [1 blank], x, 40, [2]p; pi, a^4, b, A^3, B-E^4, F^2. Engrav tp, a Minerva holding a shield with title on same; monogram "LDG." 101 engrav pls bound-in at end; pls 14, 30, 80 fold. 24.6 x 19,2 cm(9 3/4 x 7 1/2 in). Cut. JSL.

Cont: engrav tp; tp; pref; text; approb; pls.

Vol 2 title

Recueil |...| Antiques. | Seconde Partie. | [diff woodcut orn] | A Paris, | De l'Imprimerie de P.J.Mariette, ruë Saint Jacques, aux Colonnes d'Hercules. | [rule] | M.DCC.XXXVII. [diff date and diff engrav tp but now including the words "Seconde Partie"]

4°: 79, [1]p; A-K^4;(engrav title now showing cupids with banner bearing the title and part no); 104 engrav pls; pl 11 fold.

Cont: engrav tp; tp; avertissement; text; approb; pls.

Basically a collection of plates of engraved gems, with very brief text descriptions, the gems themselves taken from various collections but the latter not identified. Described in detail in Mariette, *Traité pierres gravées*, 1, 335-6, 457, while King, *Antique Gems and Rings*, 1, 464, states "a series of copper-plates of many gems drawn by the author from casts. They are much magnified, one occupying each plate, and are done in outline in a loose, inaccurate style, without any details or much intelligence in the meaning of the subjects. The letterpress is no more than a brief description and explanation of the designs." Furtwängler, *Die antiken Gemmen*, 3, 3, 413, "an entirely dilettante work... the author, a counselor in parliament, brought back from Italy casts of a miscellany of gems, including the Stosch collection, among others; he chose those that were not heads, instead full figures and those which held portrayals new to him," and, "important artists made him the drawings; he himself made the engravings, which, of their kind, are quite pretty but the antique [gems] are completely translated into the French style of his epoch, a larger part of the gems being Renaissance rather than antique. Owners and material are not given, only sizes." Reinach, *Pierres gravées*, 73-83, Pls 75-81, notes that the work is very rare, then provides a catalog of the gems, with sizes, names, and, in many gems, the collection which contained the gem or the place where it was published. J F Roth, *Mythologische Daktyliothek*, p XVI, notes an edition that I have not been able to confirm, published in Paris: Chez Musier, 1770. Goodland, *Biblio Sex Rites*, 529; Vinet 1618, who, with others, noted that the first 50 plates were copied by Cl du Bosc and published by G Ogle with an English text in the latter's *Antiquittes explained*, 1737, which see, giving also another edition entitled *Gemmae antiquae caelatae, or a Collection of gems*, 1741. See also recent remarks by the Zazoffs, *Gemmensammler*, 1983, 128-9.

3918. LEVEZOW, JAKOB ANDREAS KONRAD(1770-1835) Über den Raub des Palladiums auf den geschnittenen Steinen des Alterthums. Eine archäologische Abhandlung, von... Nebst zwei Kupfertafeln. Braunschweig, bei F.Vieweg, 1801, xii, 79 pp, 2 pls. 28 1/2 cm. Bibliogr footnotes. Not seen: USGS Kunz Coll, GS 34-689.

3919. LEVIN, I H Synthesis of precious stones. *J Industrial and Engineering Chemistry*, 5, 6, 1913, 12 p offprint, VIII fig, pale gray print wrap. 23.7 x 15.5 cm(9 3/8 x 6 1/8 in). Cut. Useful summary of the then state of the art: diamond, emerald, ruby, sapphire.

3920. LEVINSON, OLGA

Olga Levinson | Diamonds In | The Desert | The Story Of August Stauch | And His Times | Tafelberg [Cape Town: Tafelberg Publishers, Ltd, 1983]

Tp & facing p are a sand dune photo in pale sepia tint.

8°: [x], 172, [2 blank]p; 2 sepia-tint sketch maps, 9 sepia or red tint photos; 114 b&w photos; 35 col photos. Blue, cloth-type paper over bds, gilt spine title; pale red-brown endp. Silver dj, col photo on cover; also b&w photos; flap resume & author vita. 26.8 x 20.7 cm(10 1/2 x 8 1/8 in). Cut. ISBN 0 624 01921 7. JSL.

Cont: logo; tp; dedic + Stauch's ex-libris + publ data; portr Stauch; sketch map; tab cont; ackn; pref; sketch map; introd; text; biblio(p 167-8, 45 lit, 17 period & newsp entries); index; blank f.

A highly interesting account of events in the history of German South West Africa, centered around the figure of Kaspar Andreas Stauch(1878-1947), born on a farm in Thuringia, who

later emigrated to South West Africa where he became one of the first exploiters of the fabulously rich alluvial diamond deposits along the Atlantic coastal region. In Africa, Stauch was employed by the newly-built railroad as supervisor in a desolate desert stretch where he confirmed diamonds as occurring in the sands after a native laborer, a certain Zacharias Lewala, found a crystal and showed it to him. All of this account is written with clarity and interest by a novelist/biographer whose home is in South West Africa and who has published a number of historical stories about South Africa. Excellent maps and photographs, and valuable for its recounting of the diamond story in South West Africa, about which comparatively little has been written, particularly in the English language. Rev *J Gemm*, 19, 4, 1984, p 377. Rev INDIAQUA, 35, 1983-2, 155.

3921. LEVITICUS, FELIX(1862-) & POLAK, HENRI(1868-1943) Geillustreerde Encyclopaedie der Diamantnijverheid, door dr.F.Leviticus...met medewerking van Henri Polak... Haarlem, De Erven F.Bohn, 1907. 2 p., l., 410 p. illus., plates, ports. 27 cm. Not seen; USGS Kunz Coll, GS 35-313.

3922. -----1908, [2nd edit]

Geillustreerde Encyclopaedie | Der | Diamantnijverheid | Door | Dr.F. Leviticus | Bekroond door de Koninklijke Vlaamsche Academie voor Taal- en Letterkunde | Met Medewerking Van | Henri Polak | Voorzitter van den Algemeenen Nederlandschen Diamantwerkersbond. | [rule] | Haarlem. | De Erven F.Bohn. | 1908.

8°: [3], [1 blank], 526, [1], [1 blank]p; part col front pl tip-in; 190 fig. Olive-green leather-textured cloth, dk maroon leather spine & corners; false raised bands & gilt rules with gold spine title & 2 coats-of-arms, also various gold orns. Dk brownish-maroon marbled endp; inner maroon cloth hinges. 26.9 x 19.3 cm(10 1/2 x 7 5/8 in). Teg. Glossy paper throughout. Also similar, with plain gray endp, te not gilt. JSL. PO 31-111.

Cont: 1/2tp; front; tp; fwd; introd; biblio(p 22-5, ca 50 entries); abbrev; generalities on diamond; text; note; append; errata; blank p.

Encyclopedia of the diamond in all its aspects in Dutch. Lengthy introduction on beginnings and progress of the diamond industry in the Netherlands, etymology of terms now used to describe certain diamond fabrication specialists, followed by a general section on diamond itself, deposits, etc. Almost all of the book is the dictionary proper, in which an astounding number of terms are assembled, defined, and discussed. Included are not only technical terms, but also cutting styles, famous diamonds, diamond deposits & mines, personalities, etc. However, the selection of personalities seems inconsistent because some, eg, G F Kunz, discussed at great length, while others of even greater importance are not mentioned at all! From the standpoint of completeness and accuracy of technological information, the authors were uniquely qualified to provide reliable data. The frontispiece plate, part colored, displays a parure of diamonds & sapphires presented to Queen Wilhelmina. Text illustrations show tools, machinery, buildings, personal portraits, cutting styles, interiors of shops, famous diamonds, etc.

3923. LEVITT, C M & NABARRO, F R N The impact strength of diamond under different rates of strain. *Proc Roy Soc London*, A, vol 293, 1966, 259-74, photo pl, 9 fig. Not seen.

LÉVY, ARMAND (1791-1841)

Eminent Fr mineralogist; stud under R J Haüy.

3924. -----1837

Description | D'Une Collection | De Minéraux, | Formée | Par M.Henri Heuland, | Et Appartenant | A M.Ch.Hampden Turner, De Rooksnest, | Dans Le Comté De Surrey En Angleterre; | Par A.Lévy, | Membre De L'Université De France; De L'Académie Royale Des Sciences Et Belles Lettres | De Bruxelles; De La Société Philomatique De Paris, Des Sociétés Géologiques De Londres | Et De France; Et De La Société Des Sciences Naturelles De Liège. | Trois Volumes Avec Un Atlas De 83 Planches. | Tome Premier[-Troisième]. | [orn rule] | Londres, | Adolphe Richter Et Compagnie, | Libraires De Sa Majesté; | A Édinbourg, Chez Clarke; A Dublin, Chez Milliken. | [rule] | 1837

8°: I: [3], [1 blank], IV, iij, [1 blank], [1], [1 blank], 456p; II: [3], [1 blank], iv, [1], [1 blank], 476 p; III: [3], [1 blank], 455, [1 blank], v [1 blank], [1], [1 blank]p. 19.8 x 12 cm(7 3/4 x 4 3/4 in). Probably trimmed well below original folded size. Atlas: 83 pls, an extra pl marked "Planche L*" is inserted but Pl LXXX & Pl LXXXI are on the same leaf, hence there are 83 leaves altogether. 28.2 x 23.7 cm(11 1/8 x 9 3/8 in). JSL.

Cont: I: 1/2tp; dealers selling the work; tp; pref; tab cont; errata; text; II: same; III: tab cont & errata f bound-in at end. My copy of the atlas has no tp or other prelims. Agassiz III, 465.

The collection was originally formed by John Forster, then acquired & augmented by Henry Heuland from 1806 to 1820, and finally sold to Charles Hampden Turner of Surrey, England. The text briefly describes the specimens arranged in chemical groupings, and including properties, chemistry, analyses, crystallographic forms, etc. Localities are given along with descriptions of individual pieces. While mainly of interest to mineralogists, many rough gemstones are included. The plates show crystal forms.

3925. LEVY, M A Siegel und Gemmen mit aramäischen, phönizischen, althebräischen, himjarischen u.a. Inschriften. 3 litho pls. Breslau, 1869, v, 53 p. Not seen.

3926. LEWICKI, TADEUSZ Ecrivains arabes du siècle IX^{e} au XVII^{e}, traitant de l'ambre jaune de la Baltique et de son importation en pays arabes. *Folia Orient. Revue des Études Orientales*, Krakau, 4, 1962, p 1-39. Not seen, from G R v Bock, p 177.

3927. LEWINSOHN, RICHARD

Collection D'Études, De Documents Et De Témoignages | Pour Servir A | L'Histoire De Notre Temps | [rule] H Richard Lewinsohn | [rule] | Barnato | Roi De L'Or | [logo] | Payot, Paris | 106, Boulevard St-Germain | [rule] | 1937 | Tous droits réservés

8°: 216 (first 2 p blank), [6 advert], [2 blank]p. Pale green print wrap, title on cover with Barnato portr; black lett & rules on spine; other publ bks back cover. 22.7 x 14.1 cm(8 7/8 x 5 1/2 in). Uncut. Fr 20. JSL.

Cont: blank f; 1/2tp; other bks of author; tp; publ data; 10 chs; biblio (p 213-4, 64 entries); tab cont; advert; blank f.

Biographical study of the life and times of Barney Barnato(1853-1897), South African entrepreneur, financier,

magnate, and one of the "kings" of the South African gold and diamond mining industries. Lewinsohn picks up Barnato's career from his youth in London and follows it through his early years in South Africa and eventually to his tragic death at sea when he disappeared from aboard ship, presumably a suicide. One of the very few definitive biographies of Barnato and invaluable for its frequent references to the diamond mining industry and his role as well as that of Rhodes and others during its development. However, Stanley Jackson, in his *The Great Barnato*, 1970, states in his preface that "the only attempt to set out the details of Barney's career is Richard Lewinsohn's biography, published over thirty years ago and translated from the French. It narrates many of the then-known facts without attempting to assess Barnato's character or offer much enlightenment on his complicated relations with Rhodes, Kruger, the Joels and other key figures in the story."

3928. -----1937, Engl transl

Barney Barnato | From Whitechapel Clown | to Diamond King | By | Richard Lewinsohn | London | George Routledge & Sons, Ltd. | Broadway House: Carter Lane, E.C. | 1937

8°: vii, [1 blank], 275, [1 blank]p; front portr of Barnato tip-in; 11 photos on 7 glossy pls tip-ins. Dk blue cloth, gilt spine title; dj(?). Pale tan endp; te stained pale gray. 21.5 x 13.4 cm(8 1/2 x 5 1/4 in). JSL.

Cont: 1/2tp; other author bk; front; tp; transl note; tab cont; ill list; blank p; text; biblio(p 269-71, 64 entries); index; blank p.

Some portions of text divided differently, the extra chapter being due to splitting of former ch 4.

3929. -----1938, New York edit

Barney Barnato |...| Richard Lewinsohn | With an Introduction by | Emil Ludwig | Translated from the French | by Geoffrey Sainsbury | [orn] | New York | E.P.Dutton & Co., Inc. | 1938

8°: xi, [1 blank], 275, [1 blank]p; 12 grav photos on 8 bound-in pale tan, matte-finish, leaves. Tan cloth, dk brown lett on cover & spine; pale tan endp. Col dj, gold & black, resume, adverts. 21.8 x 14.7 cm(8 5/8 x 5 3/4 in). Cut. Fe untrimmed. JSL.

Cont: 1/2tp; other author bks; tp; publ data; introd; tab cont; ill list; 11 chs; biblio(p 269-71, 64 entries); index; blank p.

3930. -----1955, Ger edit Barnato. Gütersloh, 1955. Not seen.

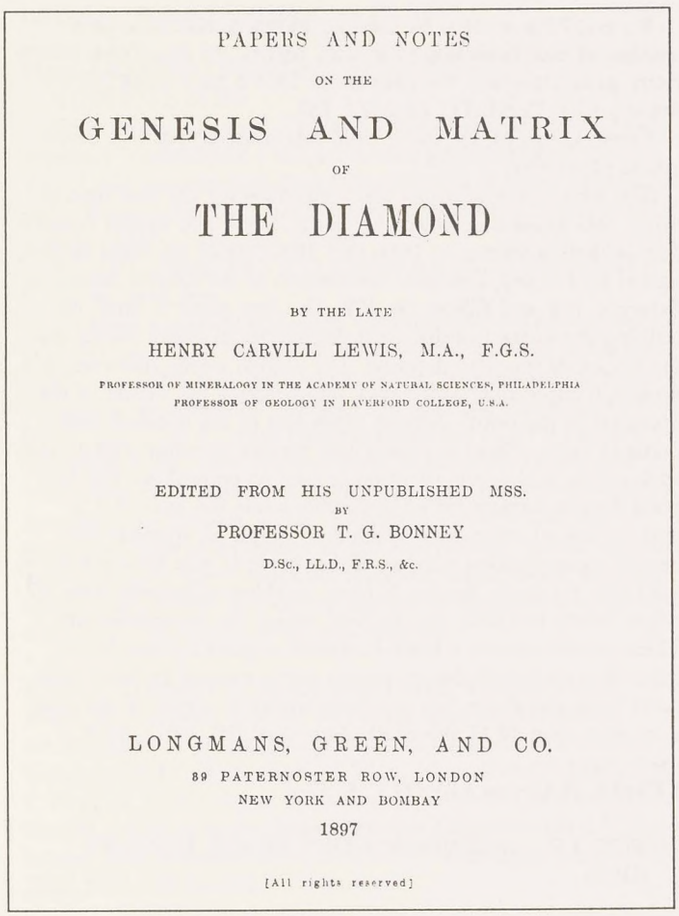
3931. LEWIS, DAVID

Practical | Gem | Testing | David Lewis FGA | N.A.G.Press Limited, London [National Assoc of Goldsmiths Press, 1977]

Oblong 16°: [7], [1 blank], 149, [3 blank]p; 173 photos; 59 figs. Dk maroon paper over bds; col dj. 19.7 x 21.4 cm(7 3/4 x 8 1/2 in). Cut. £7.50. ISBN 7198 0041 2. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref; introd; text; append tp; appends; index; 3 blank p.

Simplified instructions based on author's teaching experience in Trent Polytechnic School in England. First part explains principles of identification tests that provide quickest and surest results, along with instructions on use of the necessary instruments. Second part gives details on specific tests for a large number of gemstones, the latter arranged alphabetically by varietal and species names, as convenient, permitting easy location. Index, rather poorly done, omits numerous names in the text and thus is not completely helpful. Theoretical discussions extremely brief but the second part is easy to follow and is helpful. Many illustrations borrowed from E Gübelin, esp for inclusions, but rough surface of paper resulted in poor reproduction. Many figures are sketches of spectral lines. Rev *J Gemm*, 10, 4, 1978, 40; *Austral Gemm*, 13, 8, 1978, 287.



PAPERS AND NOTES

ON THE

GENESIS AND MATRIX

OF

THE DIAMOND

BY THE LATE

HENRY CARVILL LEWIS, M.A., F.G.S.

PROFESSOR OF MINERALOGY IN THE ACADEMY OF NATURAL SCIENCES, PHILADELPHIA
PROFESSOR OF GEOLOGY IN HAVERFORD COLLEGE, U.S.A.

EDITED FROM HIS UNPUBLISHED MSS.
BY
PROFESSOR T. G. BONNEY
D.Sc., LL.D., F.R.S., &c.

LONGMANS, GREEN, AND CO.
89 PATERNOSTER ROW, LONDON
NEW YORK AND BOMBAY
1897

[All rights reserved]

3932. Papers on the original rock in which diamond forms

LEWIS, HENRY CARVILL(1853-1888) & BONNEY, THOMAS GE0RGE(1833-1923)

H C Lewis grad U Penn 1873; Penn Geol Survey 1879-84; prof mineralogy Acad Nat Sci, Phila 1880 & Haverford Coll 1885-87; wrote important works in petrology and glaciology. Biogr sketch, *Pop Sci*, 35, Jul 1889, 401-8, portr, biblio. T G Bonney, ScD Cambridge U 1856; many degrees, honors; pioneer in petrological/glaciological researches.

3932. -----1897

Papers And Notes | On The | Genesis And Matrix | Of | The Diamond | By The Late | Henry Carvill Lewis, M.A., F.G.S. | Professor Of Mineralogy In The Academy Of Natural Sciences, Philadelphia | Professor Of Geology In Haverford College, U.S.A. | Edited From His Unpublished MSS. | By | Professor T.G.Bonney | D.Sc., LL.D., F.R.S., &c. | Longmans, Green, And Co. | 39 Paternoster Row, London | New York And Bombay | 1897 | [All rights reserved]

8°: xvi, 72 p + 24 p bk catalog; glossy photo front pl & another at end, both bound-in with tissues; 35 figs. Olive-brown cloth, gold lett spine. Dk gray endp. 22.6 x 14.7 cm(8 7/8 x 9 3/4 in). Cut. 7s 6d. LC 12-2672. JSL.

Cont: 1/2tp; pl; tp; note; pref; tab cont; ill list; text; note; index; pl; advert.

The first two sections of text reproduce for the first time in print two lectures delivered by Lewis before the British Association at their meetings in 1886 and 1887, while the third section, signed by Bonney, describes kimberlites of the United States, ie, Syracuse, NY and Elliott Co, KY. The first paper is brief, describing the history of diamond discoveries in South Africa and the nature of the pipe deposits. The second paper, however, is a thorough exposition of the rock which forms the matrix of the diamond in the South African pipes and of the minerals that occur in them. There are many text figures showing crystals and rock grains, and much attention is paid to perovskite. The first plate depicts a fragment of kimberlite while the second is a thin-section of same. Mrs Lewis had bound up specially for herself a presentation version of this book in pale brown leather, gold title on cover, brown & black marbled endpapers, with all edges faintly marbled, and the text minus the advertisements. These copies contain a black-bordered engraved presentation letter from her with the recipient's name entered by hand; this same letter, however, has also been noted in copies of the ordinary issue. Rev N H Winchell, *Amer Geol*, 30, 1897, 57-9.

LEWIS, H C, see ABBOTT, C C

LEWIS, J P, see CEYLON GOVT PEARL FISHERY RPTS

3933. LEWIS, JOSEPH VOLNEY Notes on building and ornamental stones. *First Biennial Rpt State Geol, 1891-'92, North Carolina Geol Survey*, Raleigh, 1893, p 57- 107, Pls VII-XII(map & photos). JSL. Sandstones, granites, gneisses, marble, limestones, slates, serpentines, and remarks on the spotted "leopardite" or quartz-porphyry sometimes used by lapidaries, and with a list of stones in the state museum.

3934. -----1896 Corundum and the basic magnesian rocks of western North Carolina. *North Carolina Geol Survey Bull* 11, Winston, 1896. Edgestapled: 107, [4 blank]p; fold geol sketch map in col as front + 5 other pls; 8 figs. Pale blue print wrap, cover title. 24.3 x 16 cm(9 5/8 x 6 1/4 in). Cut. "Map corrections" slip inserted. JSL. Principally on abrasive corundum, its occurrences, type deposits, associated minerals, and details on prospects and mines; includes some information on gem quality sometimes found in the ordinary corundum crystals. There is a useful discussion of the mineralogy of corundum, with figures of typical crystals. The plates are 5 maps and photomicrographs of dunite rocks. GS 5-246.

LEWIS, J V & PRATT, J H, see PRATT, J H, 1905

3935. LEWIS, M D S (d 1986) The structure of gemstones. *The Gemm*, London, 17, no 199, 1948, 27-31, illus, to no 205, p 190-2, 210; altogether 7 articles, ca 40 pages. On crystal structures & influence of same on properties.

3936. -----1970

Antique Paste Jewellery | [rule] | M.D.S.Lewis, A.R.C.S., B.Sc., F.G.A., G.G. | Faber and Faber · London [1970]

First vol in Faber Collectors Library; edit Kate Foster.

8°: 80 p(first f blank); tip-in glossy front col photo pl + 7 others, all bound-in save one; 48 pls(many with several photos) on 24 glossy f bound-in at end; 18 figs. Pale orange-red cloth, green spine panel, border & lett in gold. White dj, col photo on cover; resume, vita, other bks of publ. 24.8 x 18.6 cm(9 3/4 x 7 3/8 in). Cut. 70s or £3.50. ISBN 571 08465 6. JSL.

Cont: blank f; 1/2tp; ser tp; front; tp; publ data; dedic; tab cont; ill lists; col pl; introd; 6 chs; biblio(p 78, 24 entries); index; pls.

Handsome, well-produced volume tracing glass gem imitations from their first common use around the 9th century into the modern era. Good information is supplied on early glass manufacture, especially the so-called "strass" of the 18th century which because of its clarity and brilliance in cut form resulted in its extensive use in jewelry. Considerable space is given to the life and accomplishments of G F Stras, the inventor and manufacturer of this glass. Because of the author's gemological training, the entire book is liberally sprinkled with references to the technical aspects of gem cutting, the optics of brilliants, properties of glasses, and the means by which such glasses are identified, with most such technical information concentrated in Ch 6, "Gemmological Aspects," p 72-7. Curiously, the author fails to reference A B Ryley's *Old Paste*, 1913, which see, the only substantial previous monograph on the subject.

3937. LEWIS, MARY E & DIGNAM, DOROTHY

The Marriage of | Diamonds and Dolls | By | Mary E.Lewis | in collaboration with | Dorothy Dignam | H.L.Lindquist Publications | 2 West 46th Street New York 19, N.Y. | iii [1947]

8°: [2 blank], xxii, 194, [7], [3 blank]p; 70 photos; 1 fig. Ivory-white cloth, gold title & dec on cover & spine. Col dj, resume, vitas, other bks of publ. 25.4 x 17.8 cm(10 x 7 in). Cut. $5.00. JSL.

Cont: blank f; 1/2tp; publ data; tp; dedic; portr of Lewis; tab cont; ill list; introd; reprod of page from Godey's; pref; diamond as a bride's gem; 32 chs; index; 3 blank p.

Bridal costumes in the United States from colonial times to the present, illustrated with appropriately costumed dolls from the Mary E Lewis collection and with "rare heirloom rings from Hammer Galleries and private owners." Each doll photo is accompanied by an inset photo of a ring or rings. The text describes the costume, marriage ceremonies & customs, and with suitable anecdotes. The factual material on the use of diamond probably was provided or edited by Dignam who wrote and signed the introductory essay "How The Diamond Came To Be The Bride's Gem," and the final chapter on buying and caring for a diamond.

3938. LEWIS, W SCOTT The diamond (queen of gems). Hollywood, California: priv publ, 1937(?), 17 p mimeo booklet, price $.15. Not seen; reviewed in *R & M*, 12, 3, 1937, p 89.

3938A. LEWY, B La formation et la composition des emeraudes. *Ann Chim Phys*, Paris, vol 53, ser 3, 1858, p 5-26. Not seen; from RAMIREZ, J E *Bibliogr Col*, 129,.

LEY, WILLY(1906-).

B Berlin; stud zool, astron, physics; publ early repts on progress modern rocketry; acquainted with Oberth & Braun, other rocketry pioneers; 1935 to England, thence to USA; scient edit for Wash, DC newspaper 1940-44; engineer, Wash Inst Tech; prolific science popularizer, yet accurate and sincere. NDB 14, 425-6.

3939. -----1951(first print 1949)

Dragons | in | Amber | [to right a circular sketch of an amber piece containing insect inclusion] | Further Adventures | of a Romantic Naturalist · By Willy Ley | New York · The Viking Press · 1951

8°: viii, 328 p; text sketches. Two-color cloth(horizontal), top 1/3rd yellow, bottom black, insect in amber on front; spine title. Col dj, with insect inclusions on front, text sketches back; summ of cont & other works of author. Te stained gray. 21.2 x 14.2 cm(8 3/8 x 5 5/8 in). $3.75. JSL.

Cont: 1/2tp; author bks; tp; publ data & statement; tab cont; ill list; 15 chs in 3 parts; index. LC 51-9226.

The first part, "Records in Stones," consists of 2 chs on amber, the first "The Tears of the Heliades," and the second, "The Secret of the Blue Earth," p 3-22, 23-52, each with sketch. The first gives a history of amber, folklore, amber trade in antiquity and today, while the second article also discusses trade but mainly describes the "blue earth" bed in the Baltic region from which amber is dug, and describes old & new recovery methods, geology of the deposits, origin of amber, inclusions, and other topics, all of it forming an admirable, concise treatise on amber written in lucid, sometimes humorous style typically Ley.

3940. -----1951, London

Dragons |...| Sidgwick And Jackson Limited. London [1951]

Author's bks omitted; solid black cloth, gold spine title; te plain. Non-glossy, plain dj with different information. 21 s. JSL.

3941. -----1951(?), USA Smaller size, 20.3 x 13.4 cm(8 x 5 1/4 in); brownish-orange & green cloth, te stained blue-gray, P [iv]: "By arrangement with Viking Press, Inc., suggesting that this is a book club printing.

3942. LEYDOLT, FRANZ Eine neue Methode, die Achate und andere quarzhältige Mineralien naturgetreu darzustellen. *Jb K K Geol Reichs-Anstalt*, 2 Jg, 2 Vierteljr, 1851, p 124-33, 6 pls. Separate: print wrap, 25.7 x 19.5 cm(10 1/8 x 7 5/8 in). Cut. JSL. Pogg I, 1446. Unique method for etching specimens with hydrofluoric acid and using same for making prints in actual size and with exquisitely developed detail. Also discusses other means of reproduction. Handsome illustrations of prints, 22 on 6 pls, depicting agates, ruin agate, veinlets in rock, graphic granite, and others.

3943. -----1856 Über die Struktur und Zusammensetzung des prismatischen Kalkhaloides nebst einem Anhange über die Struktur der kalkigen Theile einiger wirbellosen Thiere. Mit IX Tafel. *Sitzungsb K Akad Wiss Wien, Math-naturwiss Kl*, 19, 1856, 10-32. Observations on nacre.

LEYSER, PAUL, see OLDENBURGISCHEN INDUSTRIE... IDAR

LEYSER, R, see FISCHER, C W, 1956

3944. LEYSSER, FRIEDRICH WILHELM VON(1731-1815)

Fridr. Wilh.V.Leysser | Königl.Preuss.Krieges- und Domainenraths | Verzeichniss | der | von ihm gesammelten | Mineralien | mit | mineralogischen Bemerkungen. | [orn] | Ersten[& only] Theil, | die Erd- und Steinarten enthaltend. | [taper rule] | Halle, 1806. | Hendels Verlag.

8°: VIII, 296 p. 20.2 x 11.7 cm(8 x 4 5/8 in). BM(NH). Cont: tp; pref; text.

Catalogs a mineral collection assembled by the author over 60 years but now sold because of his advanced age and other considerations. This part, apparently all that was published, includes numerous specimens of gemstones as polished marbles, p 40-53, "pietre dure," 53-5, other ornamental stones to p 61, thence alabasters to 64, with polished slabs of same on 74-80, and "miscellaneous marbles" 81-2. However, the most important specimens are entered under "Kieselerde," p 149-250, and include hundreds of crystalline & cryptocrystalline quartz varieties, also opal, jade, ruby, diamond, sapphire, topaz, beryl, emerald, chrysoberyl, zircon, and others. Rough & cut specimens briefly described, dimensions given, and localities.

3945. LHUILLIER, JEAN BAPTISTE THÉOPHILE

Julien de Fontenay, graveur en pierres fines du Roi Henry IV et ses descendants, graveurs et peintres au Chateau de Fontainebleu, par Th.Lhuillier... Paris, E.Plon, Nourrit et C^{ie} 1887, 2 p, f, 18 pp, 1 f. 24 1/2 cm. "Ce mémoire a été lu à la réunion des Société, Savantes et des Beaux-Arts des Départements à la Sorbonne, dans la séance du 31 Mai 1887." Not seen; from USGS Kunz Coll, GS 34-262.

3946. LI, RAYMOND

A Glossary Of | Chinese Snuff Bottle Rebus | Re-discovering the | Hidden Internal Beauty | in Snuff Bottles | Published by: | Nine Dragons | P.O.Box 6411 | Tsim Sha Tsui Post Office | Kowloon | Hong Kong. | All rights reserved | Copyright 1976 by Nine Dragons | Printed in Hong Kong | by Offset Printing Company [author: Raymond Li]

4°: 56 p; 49 col photos; 59 b&w photos; 1 fig. Bright yellow plasticized paper over bds, col photo on cover with gold & black lett; similar lett on spine. Pale gray, flecked endp. 22.7 x 15.4 cm(9 x 6 in). Cut. HK $50. JSL.

Cont: tp; fwd; introd; ill list; text.

A most interesting work; Li provides illustrations and notes on many snuff bottles, a large number carved from gemstones, pointing out where the symbolism displayed is subject to alternative interpretations, hence forming rebuses. Because of the "comparatively small number of different sounds" in the Chinese language, many homophones occur and increased opportunities for plays on words. The photographs are mostly of good quality.

3947. LI FENG-HUNG or LI FENGGONG Yü ya [or Yu ya] [dictionary of jade], Canton, 1935. 106 p, many ill. 26 x 20 cm, cloth. Not seen; from Loehr & Huber, *Ancient Chinese Jades*, 1975, p 436; Hansford, *Chinese Jade Carving*, 133, gives "allusions to jade in Chinese literature. 100 pp., half-tone reproductions of inked-squeezes. Canton: 1935." Han-Shan Tang, London, List 28, 51, 1985, "a rare work illustrating rubbings of a variety of archaic jades accompanied by comments." Yang 920.

3948. LIANG WEI MEI

An Illustrative Study Of Ancient Jades | [dotted rule] | Author: Liang Wei Mei. | Publisher: Len Hseung Yun. | Printed by Asiatic Litho. Printing Press. | 390 King's Road, Hong Keng [sic]. | Sole Agent: New Life Dispensary Library. | Tung man Road, Canton, China. | Agents; Pow Fong Chow Mental Clinic. | 85. Leighton Hill Road, Hong Kong. | Pok Ar Lau. | 172. Ku-ling Road. Shanghai. | First Edition. August 1939. [punctuation, sic]

Title from f [47], last leaf, upper half in English, lower half in Chinese; the main title, in Chinese characters in black, with small red seal, appears on F [1]. Following Chinese convention, book is hinged to right.

Edgestapled: [47]f, printed verso only, rectos blank; 35 glossy color plates illustrate 65 jades; monochrome portr pl of author. Brown silk bds, blind single-rule frame enclosing 2 col paper cut-outs on front cover, one a "pi" disk, and below that, a rect reddish-brown label bearing title in white (Chinese & English). The cut-outs fit into shallow recesses. Back cover blind-stamped frame; in center, a round cross-like symbol. 21.3 x 15.2 cm (8 3/8 x 6 in), Cut. JSL.

Cont: tp; pref with small red seal; pref by Shieh Wu Liang; same in Engl; author's pref in Chinese; same in Eng; portr; tab dynasties; same in Chinese; pls with descriptions in Chinese & English; errata & correct in both languages; Engl tp & publ data(?) in Chinese.

F [8]: "the author... spent fifteen years in the collection and study of ancient jades, especially... the six ritual jades, namely Pi... Ts'ung... Kuei... Chang... Hu... and Huang. " The plate explanations identify the objects, and give brief comments on coloration and age. The plates are fair in quality, with colors corresponding well to those of real nephrites, the author stating, f [8], "this volume is an attempt to publish a part of my own collection in its natural colors so as to give those who are interested in ancient jades a basis for further study, because old Chinese treatises on ancient jades were printed in black and white and thus afford the reader little knowledge on the color and texture of the jades. Using lithographic process in this venture is the first of its kind in China." Sunmary G M Born, p 213-4.

3949. LIBEROTTI IMPRONTE A series of shallow wooden boxes, spines bound in leather to simulate books, hinged lids, and containing many exquisitely cast plaster compound reproductions of antique engraved gems cemented to a background paper and numbered. The spines are printed "Liberotti Impronte, Opere Scelte." These sets were probably made in the late 18th or early 19th centuries. Probably a text or descriptive pamphlet accompanied each set. I have been able to find a good description of such impression sets, of which a considerable number were issued by various parties(see index).

3950. LIBERTY & COMPANY, LIMITED

Jade Amulets | Historical notes with | coloured illustrations | and interpretations of | the most characteristic | forms. | Copyright | Liberty & Co. Ltd Regent St. London. w.1 [nd; 1919?]

Entire title in hollow script letters printed from a plate; the text is signed "L.W.C.L."

8°: [26] f; pages numbered only if containing lett or ill(hence there are 21 f but only 24 p!); 6 cut-out col pls tip-ons. Cover ff bear line drawings & lett similar to style of title; the drawings are rect pendants; front cover title. 17.3 x 11.5 cm(6 3/4 x 4 1/2 in). Cut. Originally translucent parchment-type paper now severely browned except under tip-ons; however, paper remains flexible. JSL.

Cont: cover tp; blank f; tp; advert; text; company name on own f; blank f.

Delightful, colorful promotional pamphlet issued by the famous London department store; provides a brief history of jade, high esteem of by Chinese, several paragraphs on mineralogy, prized colors, motifs employed in the carvings, symbolism, and a last paragraph describing a Mandarin rosary and its origin. The plates are not crisply-printed but the colors are true for the objects depicted, namely, bracelet, pin, and pendants of both jadeite and nephrite. Summ by G M Born, 214-5, whose suggested date of 1919 I have taken.

LICETI, FORTUNIO(1577-1657)

Ital savant, educator, writer; b Rapallo; prof phil Padua, medicine in 1645; wrote on philosophy, philology, medicine, science; he wrote *Litheosphorus*, 1620, an early work on phosphorescence, and the famous *De monstrorum causis*, 1616,-34,-65, etc, a most curious work valued for its fantastic illustrations of imaginary beasts. Pogg 1, 1451-2; Thorndike, *Magic*, 8, 250; *Biogr Univ*, 21, 442-4; E N Harvey, *Hist Luminescence*, 1957, p 311; V Zubov, *Isis*, 24, 1936, 343-60.

3951. -----1645

De | Anvlis Antiqvis | Librum Singularem. | In quo diligenter explicantur eorum Nomina multa, Pri- | meua origo, Materia multiplex, Figurae complures, Causa | Efficiens, Fines, Vsusve plurimi, Differentiae, Virtutes ad- | mirabiles, Magnitudines, Pretia, Multitudo, Gestatio, Lo- | cus, Conseruatio, Deperditorum inuentio, Solemnisque | restitutio Dominis, Ablatio violenta, Despositio sponta- | nea, Traditio charis, Legatio, Fractura, & Contumulatio | cum cadauere priscis temporibus. | Avtor | Fortvnivs Licetvs Genvensis | Ex L.Com. | In Archigymnasio Bononiensis Philosophus Eminens | Eminentissimo Principi | Io: Baptistae | Cardinali Pallotto | Dedicat. | [woodcut logo] | Vtini, Typis Nicolai Schiratti. MDCXLV. | Svperioribvs Annventibvs. [Udina, 1645]

4°: [8], 250, [2]p; a^4, A-H^4, Ii^2; fold engrav pl tip-in at p 1; orn inits. 20.3 x 14.2 cm(8 x 5 5/8 in). Cropped. USGS Kunz Coll, GS 33-340.

Cont: tp; dedic; notes; index; pl; text; print hist; errata.

Extremely comprehensive history of finger-rings, including those set with gemstones and engraved gems. Mariette, *Traité pierres gravées*, 1, 256-7, finds much of value herein because it covers so many aspects of rings and their lore but complains of Liceti's prolixity and the inclusion of so much extraneous matter. C W King, *Antique Gems and Rings*, 1, 465, remarks that this work "gives, in the quaint style of the age, a summary of almost everything to be gathered from the ancients upon this subject." Furtwängler, *Die antiken Gemmen*, 3, 404-5, notes also the "wide-ranging" nature of the text but condemns the work, like Mariette above, for its "many and foolish excursions" that are not germane.

3952. -----1653

Hieroglyphica | siue | Antiqva Schemata | Gemmarvm Anvlarivm, | Qvaesita | Moralia, Politica, Historica, Medica, |

Philosophica, & Sublimiora, | Omnigenam eruditionem, & altiorem Sapientiam attigentia, | diligenter explicata | Responsis | Fortvnii Liceti | Genvensis Ex.L.Com. | In Lyceo Patauino Medici Theorici Supremi. | [large engrav vignette, repeated on p 331]; Patavii, Typis Sebastiani Sardi. M DC LIII. | [rule] | Annventibvs Svperoribvs. [Padua, 1653]

2°: [20], 440, [20]p; S^4, SS^2, $++^4$, A-Lll^4, Mmm^2; engrav fullp portr of Liceti; 66 text engrav(60 numbered; mostly engrav gems); ch orns, inits. 32.5 x 21.8 cm(12 7/8 x 8 5/8 in). Cut. Pale tan, rather coarse-grained, impure hand-laid paper. Engravings crisply printed but type appears badly worn and impressions are uneven. USGS Kunz Coll, GS 34-629; JSL.

Cont: tp; dedic to Queen Christina, Sweden; portr; lauds; tab cont; text; authors index; subj index & errata, register of sigs, other works by Liceti(75 in all).

Large, elaborate, detailed series of explanations & discussions concerning the subjects portrayed upon 60 engraved gems set in rings and shown in the engravings. Much of the text consists of citations taken from other authorities and all of it appears speculative in nature. Furtwängler, 3, 404-5, disparages the work, noting that Liceti "ranges over all possibilities and provides on a mere 440 folio pages the rarest allegorical explanations for the 60 engravings of gems which for the most part were taken from the work of Pietro Stefanoni of Vicenza (apparently a curio dealer in Rome)," the latter work entitled *Gemmae antiquitus sculptae*, first printed in 1627 in Rome and again in 1646. Mariette's criticisms are far more detailed, 1, 271-3, noting that Liceti took the opportunity in this work to unburden himself of all manner of opinions on a variety of subjects that had nothing to do with the gems themselves, citing several examples of such ramblings as well as some germane, but ridiculous statements elsewhere in the text. Most of the gems found their way into Gorlaeus' *Dactyliothecae*, Leyden, 1695, nos 479 ff.

LIDDICOAT, RICHARD THOMAS, Jr (1918-)

USA mineralogist, gemologist; b Kearsarge, Mich; BS(geol) U Mich 1939, MS(min) 1940; MS(meteorology) Calif Inst Tech; service in U S Navy World War II; grad gemologist, Gemological Inst Amer, & duties on staff 1940-; pres. 1952, retired 1983; Chairman of Bd 1983-. Liddicoatite tourmaline named after.

3953.-----1947

Handbook Of | Gem | Identification | by | Richard T.Liddicoat, Jr., | Director of Education | Gemological Institute Of America | With a Foreword by | Dean Emeritus Edward H.Kraus, Ph.D., Sc.D. | College Of Literature, Science And The Arts | University Of Michigan | Volume 7 Of The Jewelers Library | Published by the | Gemological Institute Of America | 541 South Alexandria Avenue, Los Angeles, California [1947]

8°: [5 blank] p + p ii-xi + [1 blank], 283, [1], [4 blank]p, the blank endleaves are pastedowns; front photo; 110 fig;, many tab. Maroon cloth, gold spine title. 21 x 13.6 cm(8 1/4 x 5 3/8 in), Cut. $4.50. JSL.

Cont: 5 blank p; bks for sale; 1/2tp; front; tp; publ data; fwd; pref; tab cont; 24 chs; tabs; gloss; index; print data; 4 blank p,

The first substantial & important textbook of gem identification published in the United States by a citizen thereof. It is factual, easily understood, and logically ordered. The first chapters are devoted to the nature of gemstones and those properties that are susceptible of identification and evaluation, with explanations of the instruments and accessories that are used for this purpose, also discussions of synthetic, imitation, and assembled stones, pearls & cultured pearls,and imitation pearls. The later chapters systematically provide procedures for testing with applications of such tests to the gemstones themselves, the latter taken up by color and transparency. The appendix contains numerous identification tables, most of which were gathered together from elsewhere in the text and placed together for convenience of reference. There is lastly a large composite table of gemstone properties and a glossary. Rev R J Holmes, *G & G*, 5, 11, 1947, 477-8; B W Anderson, *J Gemm*, 1, 5, 1948, 16-9. An identical reprint issued in same year.

3954. -----1948, 2nd edit

Title identical. [1948; "2nd edit" not stated on tp]

8°: [4 blank], xiii, [1 blank], 294, [2 blank], [1], [5 blank]p; the blank endleaves are pastedowns; front pl; same figs, tabs. Brownish-red cloth, blind title on cover, gold spine title. 21.1 x 13.8 cm(8 1/4 x 5 1/2 in). Cut. JSL.

New material added: Benson method spot RI determination; new gem substitutes; identif tabs revised, enlarged; color & pleochroism tabs added. Identical reprint same year.

3955. -----1951, 3rd edit

As above.

8°: [6 blank], xiii, [1 blank], 350, [6 blank]p, the blank endleaves are pastedowns; front photo, 117 figs. Dk green cloth, gold cover & spine title. 21 x 13.7 cm(8 1/4 x 5 3/8 in). Cut. $5.00. JSL.LC 51-10568.

Revised; new material: new gemeological instruments described & explained, more data on synthetics, x-ray & fluorescent tests for pearl, new gemstones, new table of cleavage & parting, and new ch on descriptions and property ranges of many gemstones.

3956. -----1953, 4th edit

As above.

8°: [4 blank], xv, [1 blank], 350, [1], [5 blank]p; 117 figs, front photo, tabs. Dk blue, leather-type cloth, gold(corroded to greenish) title on cover & spine. Same p size. JSL. LC 54-367.

Adds descriptions of taaffeite and sinhalite, strontium titanate; new illust; many minor addits & revisions throughout.

3957. -----1957, 5th edit LC 57-3977. Adds description of spectroscope and use, with illust of spectra. Not seen.

3958. -----1962, 6th edit

Handbook Of |...| Published by the | Gemological Institute Of America | 11940 San Vicente Boulevard, Los Angeles, California

8°: [2 blank], xv, [1 blank], 396, [1], [1 blank]p; front photo; 156 fig; 19 absorption spectra strips. Brown leather-type cloth, gold title on cover & spine. 21 x 13.7 cm(8 1/4 x 5 3/8 in). Cut. LC 63-324. $8.75. JSL.

Cont: blank f; 1/2tp; bks for sale; another 1/2tp; front; tp; publ data; fwd; 3 prefs; blank p; tab cont; another 1/2tp; 27 chs; append; gloss; advert & explan of GIA functions; index; print data; blank p.

Substantial changes: chs 6,7, 9-13; gem identification ch entirely rewritten; more details on newer gemstones; 114 spectra illust are new. Rev *J Gemm*, 9, 2, 1963, 63-6.

3959. -----1966, 7th edit

Title identical. [1966; 7th edit]

8°: [2 blank], xv, [1 blank], 426, [1], [3 blank] p; front photo; 186 fig; 120 absorption spectra. Maroon, leather-type cloth, gold title cover & spine. P size same. JSL.

Adds new ch on detection of fraudulent improvements in appearance or gemstones; many minor revisions; additional illustrations.

3960. -----1969, 8th edit

Same. [1968, 8th edit]

8°: [2 blank], xv, [1 blank], 430 p; front photo, 186 fig; same spectra but those on p 192 upside down, hence an errata slip with replacement plate supplied; tanzanite reported; new source synthetic ruby, synthetic garnets, others; revised in places. Cloth now dk blue. JSL. Last line of tp "Founded by Robert M.Shipley."

3961. -----1972, 9th edit

Same. [1972, 9th edit]

8°: [2 blank], xv, [1 blank], 440, [2 blank]p; front photo; 186 fig; same spectra. Dk green leather-type cloth, very large gold title on cover shaped like brilliant gem cross-section, gold rule, border frame; gold spine title. P size same. $11.75. JSL.

Many illust exchanged for new, esp for newer gemological instruments manufactured by the institute; many minor text changes; new material on synthetic turquoise, colored quartz, opal; also new garnets.

3962. -----1975, 10th edit

Handbook of | Gem Identification | by | Richard T.Liddicoat, Jr. | President | Gemological Institute Of America | With a Foreword to the First Edition by the late | Dean Emeritus Edward H.Kraus, Ph.D., Sc.D. | College of Literature, Science and the Arts | University of Michigan | Published by the | Gemological Institute Of America | 1660 Stewart Street, Santa Monica, California 90406 | Founded by Robert M.Shipley [1975; reprinted 1977]

16°: [2 blank], xv, [1 blank], 440, [2 blank]p; front photo; 186 fig. Dk red leather-type cloth(1977 reprint), gold title on cover & spine. 20.9 x 13.8 cm(8 1/4 x 5 3/8 in). Cut. ISBN 0-87311-006-4. JSL.

Cont: blank f; 1/2tp; other GIA bks; another 1/2tp; front; tp; publ data; fwd; prefs(3); tab cont; text tp; 28 chs; append; index; blank f.

Numerous minor changes; new instruments, their use, etc, also new gem materials. Space for text changes achieved by shifting photos with some illust exchanged; as in previous edit, numbering of figs does not exactly correspond to the actual illust; there are several unnumb illust.

3963. -----1981, 11th edit

Title same. [1981; 11th edit]

16°: [2 blank], xv, [1 blank], 450, [4 blank]p; front photo; 186 fig & same spectra. Black, morocco-like paper over bds, gilt title cover & spine. Blue dj, col photes, designs, on covers; flap resume, vita, author portr. 21 x 13.7 cm(8 1/4 x 5 3/8 in). Cut. Same ISBN. JSL,

Some photos substituted, others shifted; new fluorescence tab added. Ch XIV, now entitled "Altered Stones and Ancillary Tests," may be the "additional" chapter added according to the pref, p xii. Pages renumbered, many minor changes. Rev *J Gemm*, 18, 1, 1982, 84.

3963A. -----1987, 12th edit

Handbook | of | Gem | Identification | by Richard T.Liddicoat, Jr. | Chairman of the Board of Governors | Gemological Institute Of America | Published by the | Gemological Institute Of America | Santa Monica, California [title underlain by pale gray design; 1987]

12°: [3 blank], [7], [2 blank]p + p 3-362; ca 270 fig(col photos, col diagrs, b&w photos, line drawings), 125 full col spectra strips; ca 35 text tabs(others in append). Gray cloth, silver lett on cover & spine; white dj, with silvered areas on cover & spine, dk red lett, photo of author on front & back flap(vita). 22.8 x 17.3 cm(9 x 6 3/4 in). Cut. Semi-glossy paper. ISBN 0-87311-012-9. $39.95. JSL.

Cont: blank f; front col photo; tp; print history; pref to orig edit; pref this edit; tab cont; blank f; 28 chs; append(8 tab); gloss; index.

Entirely redesigned and reset, and now "for the first time, the *Handbook* is in full-color." There are many minor changes, especially in the many small illustrations of typical gems and the very fine photographs of typical inclusions, to mention only a few of the visual improvements. The text is much augmented throughout by latest information on gemstones and identification instrumentation and procedures. Sturdily bound of high quality materials.

END OF HANDBOOK SERIES

3964. -----1962-1963 Rapid sight estimates of diamond-cutting quality. *G & G*, 10, 11, 1962, 323-35, 15 fig; 12, 365-75, fig 16-31.

LIDDICOAT, R T, Jr, see COPELAND, L L, et al, 1960; also LEGRAND, D J

3965. LIDDICOAT, R T, Jr & COPELAND, LAWRENCE L

The | Jewelers' | Manual | by | Richard T.Liddicoat, Jr. | Executive Director | and | Lawrence L.Copeland | Course Editor | of the | Gemological Institute Of America [Los Angeles: 1964]

16°: [2 blank], xiii, [1 blank], 361, [1 blank], [1], [5 blank]p; front photo; ca 260 fig(2 maps); many tab. Blue leather-type cloth, gold cover & spine title. 20.9 x 13.7 cm(8 1/4 x 5 1/2 in). Cut. $4.95. JSL.

Cont: blank f; 1/2tp; other bks of publ; front; tp; publ data; pref; tab cont; text; gloss; biblio(p 346-56, 202 entries); GIA advert; blank p; print data; 5 blank p.

According to preface, meant to supplant Shipley's *Pocket Reference Book*. Handy compilation: gem testing, precious metals, jewelry, horology, many other aspects of the jewelry trades, including much on gemstones. Lavishly illustrated. Rev *J Gemm*, 9, 9, 1965, 301.

3966. -----1967, 2nd edit.

Same title. [1967, 2nd edit]

16°: [2 blank], xiii, [1 blank], 361, [7 blank]p; same ill & size. Dk green cloth, reprinted in 1970, and again in 1974 in leather-type maroon cloth. Minor changes only.

3967. LIEBER, WERNER

Dr. Werner Lieber | Die Fluoreszenz von Mineralien | 5.Sonderheft zur Zeitschrift "Der Aufschluss" | Herausgegeben |

von der Vereinigung der Freunde der Mineralogie und Geologie | (VFMG), Heidelberg 1957

8°: 62, [2 blank]p; 23 fig, 4 col photos on single tip-in glossy f. V pale bluish-green print wrap, with title & photo. 20.8 x 14.7 cm(8 1/4 x 5 3/4 in). Cut. JSL.

Cont: tp; publ note; introd & fwd; tab cont; 3 parts text; concl; biblio & photo credits; index; advert; blank f.

Theory of fluorescence in minerals, how practised, equipment, the fluorescent species & varieties, including gemstones, arranged in standard chemical-class order; col pl depicts ores of Franklin, NJ.

3968. -----1970

Idar-Oberstein | Edelstein-Industrie - Geologie - Petrographie | Mineralogie und Lagerstätten | im Bereich des Saar-Nahe-Gebietes | 19. Sonderheft der Zeitschrift Der Aufschluss | Schriftleitung: Werner Lieber | [rule] | Herausgegeben von der | Vereinigung der Freunde der Mineralogie und Geologie (VFMG) e.V. | Heidelberg 1970

"Sonderheft zur Jahrestagung 1970 der VFMG in Idar-Oberstein"

8°: 203, [1 blank]p; 62 fig(photos, maps, diagrs, one in col). V pale grayish-green plasticized paper wrap, title on cover, logo back cover. 21 x 14.8 cm(8 1/4 x 5 7/8 in). Cut. JSL.

Cont: tp; publ data; tab cont; caption; photo; fwd; 13 articles + 3 in "Anhang;" ackn; prev spec issues list inside back cover.

Covers geology, mineralogy, and mineral-related resources and industries in the Saar-Nahe region around Idar-Oberstein, Germany, but only the following articles are gemologically interesting. H Saar, "Idar-Oberstein, ein Mekka für Freunde schöner Steine," 9-12, a thumbnail sketch of the history of the twin cities and the origin & development of its lapidary industry. W Fischer, "Zur Geschichte der Idar-Obersteiner Edelstein-industries," 13-34, detailed, well-documented history of the lapidary industry, many refs. Karl F Chudoba, "Bedeutung, Entstehung und Klassifikation der Edelsteinfarben," 35-45, on gemstone colors and origins. W Fischer, "Von Entstehung der Achate," 49-52, splendid article on the origin of agate. H Dern, "Mineralfundstellen im oberen Nahe-Gebiet," 101-110, includes places where agates are found. K M Britz, "Achatbergbau und Achatgräberei im Nahebergland," 111-115, on the local agate deposits and mining. Remaining articles: geology, paleontology, copper, uranium deposits.

LIESEGANG, RAPHAEL(1869-1947)

Ger photographic technologist & chem; intensively stud photochem reactions & related phenomena; entered his father's photo apparatus & papers business; devised improved types of paper; stud colloidal state and famous for his explanations of diffusion phenomena("Liesegang rings"). *NDB* 14, 538; Pogg 5, 745 & 6, 1529.

3969. -----1907

Über Die Schichtungen | Bei Diffusionen. | [orn] | Eine Voruntersuchung | Von | Raphael Ed.Liesegang. | [orn] | Düsseldorf 1907. V. | [rule] | Heinr.Ohligschläger, Düsseldorf [first 2 lines underlined by double rules]

From wrap: "Leipzig | Verlag von Wilhelm Engelmann | 1907"

8°: 56, [3]p; 22 fig, 2 diagrs. Thick pale green print wrap, title on cover in double-rule frame; other surfaces adverts. 22.2 x 14.4 cm(8 3/4 x 5 5/8 in). Cut. JSL.

Results of classic experiments on diffusion rings produced in gels by addition of salts, and later used as basis of his later arguments as to origin of similar phenomena in banded agates.

3970. -----1913

Geologische | Diffusionen | Von | Raphael Ed.Liesegang | Mit 44 Abbildungen | [logo] | Dresden Und Leipzig | Verlag Von Theodor Steinkopff | 1913. [title in double-rule frame]

8°: VI, [1], 180, [4 advert] p; 44 fig(photos & drawings). Dk blue cloth, white title in blind frame on cover; white title on spine. Rounded board corners. Blue endp. 22. 9 x 15 .6 cm(9 x 6 1/8 in). Cut. JSL. GS 13-459.

Cont: 1/2tp; tp; publ data; fwd; tab cont; 19 chs; index of names; subj index; adverts.

Classic paper describing and theorizing on causes of rhythmic deposition of solids from gels. Treats materials susceptible to such transport, media in which diffusion possible, processes, and results, with the first substantial process considered being that responsible for the periodic phenomena in agates, Ch 11, 92-106, also "weathering rings," Ch 12, 106-16, which bears upon infusions and resulting banding in such rocks as "wonderstones" of the western United States, and Ch 15, 128-34, on banding in flints and cherts.

3971. -----1915

Die Achate | Von | Raphael Ed.Liesegang | [rule] | Mit 60 Abbildungen | [rule] | [logo] | Dresden Und Leipzig | Verlag Von Theodor Steinkopff | 1915 [title in single-rule frame]

8°: [5], [1 blank], 118, [4, (2 advert)]p; 60 photos. Pale brown unfin cloth, framed title on cover; spine title. Pale green endp. Rounded board corners. 23.3 x 15.7 cm(9 1/8 x 6 1/4 in). Cut. Mk 4.80(paper), 6.80(cloth), later changed to 5 & 6.50 resp. JSL. GS 25-100.

Cont: tp; publ data; fwd; tab cont; blank p; 11 chs; index of authors; subj index; advert.

Landmark study of agate genesis based on the assumption that banding is the result of pigment diffusion through a silica gel medium. The chapters describe agates and their developmental history, older and newer theories of agate genesis, causes of coloration and banding, production of artificial coloration, special forms of agates as moss, tubiform, and stalactitic types, horizontal layering and its significance, dendritic agates and mocha stones, breccia agate, weathering of agates, accessory minerals in vugs with agate or enclosed, and a summary of agate genetical problems. A work that retains much of its value even though the diffusion process now seems to be disproved as cause of banding in most agates. See also, his "Die Entstehung der Achate," *Centralbl Min*, 1910, 593-7; "Achat-Probleme, " ibid, 1911, 497-507; "Ein Membrantrümmer-Achat," ibid, 1912, 65-7; "Ueber horizontal gebänderte Achate," ibid, 1919, 184-8; "Die Entwickelungsgeschichte der Achate," *Aus der Natur*, Leipzig, Nr 18, 1911, 561-6; "Pseudomorphosen und verkieselte Hölzer," ibid, 61, 1931, 137-43. Die Achate, was reprinted in 1986, Bad Vilbel, Germany, Verlag Dieter W Berger, 130 pp, 48 ill, DM 45.- Not seen.

3972. LIETZ, JOACHIM Über die Verfärbung des Zirkons durch Bestrahlung. *Zs Krist*, Abt A, Bd 97, 1937, 337-53, 13 fig, 4 tab. JSL. Studies absorption spectra in various color zircons, including colorless, from Mongka, French Indochina, in

ambient state and after heat treatment following irradiation with UV light.

3973. -----1937 Beitrag zur Frage der Zirkone niedriger Dichte, *Zs Krist*, Abt A, Bd 98, 1937, 201-10, 3 fig, 3 tab, JSL. X-ray investigations, determination of physical & optical properties on zircons of low density.

3974. LIFE ON THE DIAMOND FIELDS Extracts from the private journal of M.E. A crown octavo booklet of fifty-four pages, published in London in 1875. Not seen: from Theal, 176.

3975. LIGHT INDUSTRY PUBLISHING HOUSE

Chinese | Arts and Crafts | [tinted photo, lower left] | Light Industry Publishing House | Foreign Languages Press | Peking 1973 [title in fluorescent vermilion!]

8°: [216] p; 222 photos, most col. Unfin, coarse-weave off-white cloth, gold title cover & spine; col dj, col photo on cover. Pale blue rug design on endpapers. 32.6 x 25 cm(12 7/8 x 9 7/8 in). Cut. Glossy paper. JSL.

Cont: 1/2tp; publ data; tp; fwd; tab cont & ill list; section tp on tinted paper with small photo; pref text; photos[7 sections altogether.],

Pictorial album of Chinese crafts articles & ornament; each section has its own titlepage and brief explanatory remarks: 1 sculpture & carving, 2 pottery & porcelain, 3 textiles, embroidery & lace, 4 lacquer, 5 cloisonne & metalwork, 6 basketry, and 7 others, this last including glass, bamboo, shell, bone, inlay-work, fans, etc. There are 28 stone objects shown which were carved from jades, serpentine, agalmatolite, porphyry, and chalcedonies, with one vase identified as "pink jade," which appears to be a mottled salmon-pink and pale gray rock, possibly thulite, Among the carvings are two remarkable chalcedony enhydros,

LIGHTBOWN, R W, see HEINIGER, E A

3976. LIISBERG, H C BERING

De Danske | Rigsregalier | Og | Kronjuveler | Paa | Rosenborg | [orn] | Ved | Bering Liisberg | [orn] | F.Hendriksens | Reproduktions-Ateliers Forlag [orn colored; København, nd, ca 1930; title on front wrap only]

Centerstapled: [1], [1 blank], 16, [1 blank], [1] p(including wrap); 14 photos. V pale green paper wrap, cover title in gold & pale red; print data back cover. 20.4 x 14.2 cm(8 x 5 5/8 in). Cut. JSL.

Brief history, description, illustrations Danish crown regalia & jewels.

LILLE, B O, see GADOLIN, J

LIMIERS, HENRI-PHILIPPE DE, see STOSCH, P, 1724

3977. LIMUR, Comte de

Le Jade Océanien | En Gisement | Dans La Baie De Roguédas | Près Vannes (Morbihan). | [orn rule] | Extrait Du Rapport | Fait | Au Congrès Pour L'Avancement Des Sciences Françaises | Pendant Sa Session De 1875, A Nantes. | [orn rule] | Par Le Cte De Limur, |...| Vannes | Imprimerie Galles, Rue De La Préfecture. | [rule] | 1875. [title from wrap]

8°: 36 p. 25 x 16.6 cm(9 7/8 x 6 1/2 in). Uncut. JSL.

A jade-like material, from a vein in granite near Baie De Roguédas, Vannes, Morbihan, France is compared to a nephrite from New Caledonia and on the basis of appearance, spec gravity, reaction to blowpipe, considered identical. The results of this testing followed by sections on jade as described by various authorities: Dufrénoy, Damour, Descloizeaux, Pisani. This is followed by a second paper, paged continuously, on blowpipe testing on a number of minerals as tremolite and actinolite in massive, or jade-like forms; results reported with spec gravities.

3978. LINARI-LINHOLM, A A Recovery of diamonds by electrostatic separation. *J Chem Metall & mining Soc S Africa*, 51, 4, 1950, 131-57. Not seen.

3979. -----1965(?)

Occurrence, mining and recovery of diamonds | [notes on recovery of diamonds with Linholm vita, and to right, 3 small square col photos] [London: De Beers Consolidated Mines Limited, nd, post 1964]

Oblong, centerstapled: 36 p; 16 col photos; 17 b&w photos; 2 tinted photos; 1 col drawing; 16 tinted drawings. Thick pale gray paper wrap, title in outline white on cover; the cover is pierced with square holes to expose the 3 col photos on tp. 20.3 x 25.4 cm(8 x 10 in). Cut. JSL.

Excellent, authoritative: "Dr. A.A.Linholm traces the history of diamond mining and describes the various techniques used to obtain diamond from the world's major deposits." The history is mainly South African, as also the geology, in situ & alluvial deposits, mining, etc, all excellently presented and with high quality illustrations. World production statistics; biblio of 18 entries.

3980. -----1973

Occurrence, mining and | recovery of diamonds | Dr A.A.Linari-Linholm [London: De Beers Consolidated Mines Ltd, 1973 edit]

Oblong, centerstapled: 44 p; 42 photos(most col), 17 drawings(most col). Plasticized thick wrap, front cover title in white with 4 col photos; back cover plain white. 19.7 x 25.2 cm(7 3/4 x 9 7/8 in). Cut. JSL.

Similar to above, brought up to date.

3981. LIND, S C & BARDWELL, D C The coloring and thermophosphorescence produced in transparent minerals and gems by radium irradiation. *J Franklin Inst*, Phila, 196, 1923, 375-90, fig. JSL. Color changes induced in halite, fluorite, kunzite, calcite, sapphire, ruby, emerald, topaz, garnet, quartz, glass, obsidian, tourmaline, diamond, chrysoprase, opal, aquamarine, zircon, peridot, moss agate; discusses results and previous theories accounting for color change via this type irradiation.

3982. LINDE, MARGOT Bernsteinketten in der oesterten Tracht. Stellung in der Volksmedizin - Übergangsmodos - Anlegungsbrauch. *Rheinish-Westfalische Zeitschrift für Volkskunde*, Bonn, 23, 1977, 101-19. Not seen; from G R v Bock 177.

LINDEMANN, L R, see BIRNBAUM, C

3983. LINDHE, HENRY E There is opal in Honduras - I rediscovered it! *Lap J*, 15, 5, 1961, 500-20, passim, ill, map, 5 ref.

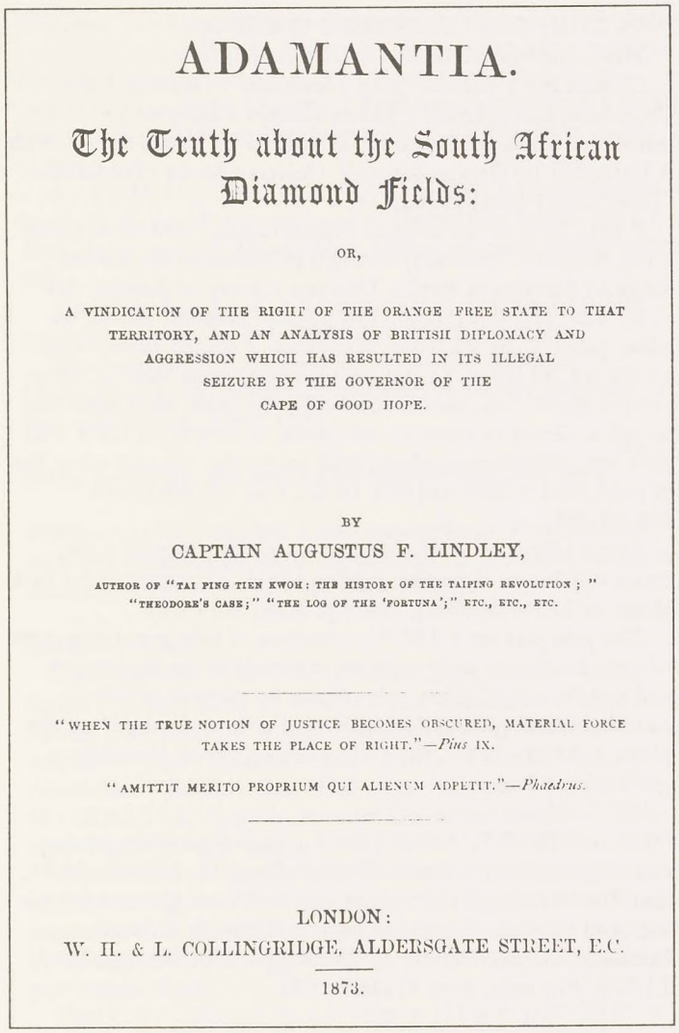
3984. LINDLEY, AUGUSTUS F

Adamantia. | The Truth about the South African | Diamond Fields: | Or, | A Vindication Of The Right Of The Orange Free State To That | Territory, And An Analysis Of British Diplomacy And | Aggression Which Has Resulted In Its Illegal | Seizure By The Governor Of The | Cape Of Good Hope. | By | Captain Augustus F.Lindley, | Author Of "Tai Ping Tien Kwoh: The History Of The Taiping Revolution;" | "Theodore's Case;" "The Log Of The 'Fortuna';" Etc., Etc., Etc. | [rule] | "When The True Notion Of Justice Becomes Obscured, Material Force | Takes The Place Of Right." - Pius IX. | "Amittit Merito Proprium Qui Alienum Adpetit." - Phaedrus. | [rule] | London: | W.H. & L. Collingridge, Aldersgate Street, E.C. | [rule] | 1873.

8°: xiii, [1 blank], [1], [1 blank], 423, [1 blank] p; col front litho coat-of-arms tip-in; 8 maps & diagrs(1 fold, part col) tip-ins. Dk green cloth, elaborately blind-stamped frame enclosing floral ornamented letters of "Adamantia" on cover; orn blind rules & orn single word title on spine; blind frame back cover; beveled bds. Pale yellow, dull finish endp. 22 x 13.9 cm(8 5/8 x 5 1/2 in). Cut. Tip-in errata sheet, also a printed note, laid-in, requesting Members of Parliament receiving presentation copies to acknowledge receipt, dtd 3, Lloyd Square, London, W.C., April, 1873. LC 16-16907.JSL.

Cont: front; tp; publ data; pref; tab cont; errata slip; ill list; 16 chs; blank p.

An important historical document in which the seamy side of the acquisition of the diamond fields of South Africa is carefully examined by Lindley. As he states in his preface, "this is a book with a purpose. Its object is to inform the British Parliament and the British Public how their Government has robbed the Orange Free State (one of the two South African Republics) of its diamond fields." The author spent two years in the area studying the problem amd gathering data and documents to substantiate his charges, which, it appears, have never been completely repudiated. In this connection, see A F Williams, *Some Dreams Come True*, 92-94, where some of Lindley's charges are questioned. Among the 16 chapters there are several that generally treat the early history of the region, but most of the chapters systematically and thoroughly treat the British activities, their policies, maneuvers to obtain lands, analyses of evidence furnished orally and in writing before various meetings and councils, and the steps finally taken by the British to annex the country. The frontispiece color plate depicts the Orange Free State arms and motto; the maps show portions of the lands in dispute with diamond diggings and mines marked on some. See also Mendelssohn. A rare work.



ADAMANTIA.

The Truth about the South African Diamond Fields:

OR,

A VINDICATION OF THE RIGHT OF THE ORANGE FREE STATE TO THAT TERRITORY, AND AN ANALYSIS OF BRITISH DIPLOMACY AND AGGRESSION WHICH HAS RESULTED IN ITS ILLEGAL SEIZURE BY THE GOVERNOR OF THE CAPE OF GOOD HOPE.

BY

CAPTAIN AUGUSTUS F. LINDLEY,

AUTHOR OF "TAI PING TIEN KWOH: THE HISTORY OF THE TAIPING REVOLUTION;" "THEODORE'S CASE;" "THE LOG OF THE 'FORTUNA';" ETC., ETC., ETC.

"WHEN THE TRUE NOTION OF JUSTICE BECOMES OBSCURED, MATERIAL FORCE TAKES THE PLACE OF RIGHT."—*Pius* IX.

"AMITTIT MERITO PROPRIUM QUI ALIENUM ADPETIT."—*Phaedrus.*

LONDON:
W. H. & L. COLLINGRIDGE, ALDERSGATE STREET, E.C.
1873.

3984. Lindley examines the seamy side of the acquisition of the South African diamond fields by Great Britain

LINDSAY, W M, see ISIDORE, 1911

3985. LINICK, LESLIE L

Jewelers' | Workshop Practices | Processes · Shop-Kinks · Short-Cuts | and | Trade-Secrets | of | Jewelry Manufacture | and Precious Metal Finishing | in Non-Technical Language | by | Leslie L.Linick | Published by | Henry Paulson & Company | 131 S.Wabash Ave., Chicago 3, Ill. [1948]

16°: [6], [1], [1 blank], 516, [12], [2 blank]p; the 4th f is supplied, tipped-in; text figs. Blue cloth, gold cover & spine title. 21.3 x 13.7 cm (8 3/8 x 5 3/8 in). Cut. JSL.

Cont: tp; publ data; pref & note; quotes; gen info; tab cont(this is the supplied f); text; index; 2 f for "notes;" blank f.

An astonishing amount of information is to be found in this extremely useful work which covers virtually every phase of jewelry manufacture and finishing. A section entitled "jewel raw materials and jewel-like minerals," 438-88, consists largely of an alphabetical listing of gemstones along with a number of materials that are so classifiable, and indicating the unfamiliarity of the author with gemstones. However, the data supplied are fairly reliable but there are some very odd statements as providing mineral hardnesses on a scale of 100 instead of 10, with such ridiculous figures then given as "63" for a mineral hardness. Other properties are also given along with locality information. Following this list there are notes on hard abrasives, a list of gemstones in order of refractive index, a short bibliography, 476, 6 entries, remarks on pearls and coral, artificial glass jewels, lapidary work, and a list of suppliers for gemstones and lapidary equipment.

3986. LION-GOLDSCHMIDT, DAISY & MOREAU-GOBARD, JEAN-CLAUDE

Chinese Art | Bronze · Jade · Sculpture · Ceramics | By Daisy Lion-Goldschmidt | Musee Guimet Paris | & | Jean-Claude Moreau-Gobard | Translated By Diana Imber, With A Foreword By George Savage | Universe Books · Publishers · New York | [orn] [1962]

P [4]: "Title of the original French edition "Arts de la Chine" Third American Edition [printing?] published in the United States of America in 1962... Universe Library of Antique Art"

8°: 425, [1 blank], [2]p; 198 photos: bronzes, 16 col, 44 b&w; jades, 9 col, 21 b&w; sculptures, 2 col, 35 b&w; ceramics, 38 col, 33 b&w; 12 fig; col pls tipped onto blank p; b&w printed direct. Tan, brown-streaked unfin cloth, terra cotta title on spine. Green & white dj, col photo of bronze on cover with gold lett; b&w bronze photo back cover; flap resume, other bks of publ. 33.1 x 25.3 cm(13 x 10 in). Cut, LC 60-12415. $50.00. JSL.

Cont: 1/2tp; tp; publ data; tab cont; fwd; introd; 4 pts; chron of Chinese dynasties; biblio(424-5, 15 entries under jades alone, ca 120 altogether); blank p; ackn; print data.

The jade part on p 133-95: identities of jade gemstones, uses of jades in various early societies, methods of carving, shapes and significance, Chinese jade objects by purpose of use discussed chronologically, descriptions of objects displayed on the plates and text photos, these in gratifying detail. Illustrations good to excellent.

3987. LIPINSKY, ANGELO La simbologia delle gemme nella "Divina Commedia." *L'Orafo Italiano*, 15, 5, 1961, 29-31, also, "La simbologia delle gemme nella "Divina Commedia" e le sue fonti letterarie," *Atti del Congreso Nazionale di Studi Danteschi*, Caserta-Napoli, 21-25 Maggio 1961, Firenze 1962, 127-58. Not seen, from C Meier, 533.

3988. -----1975

Arte E Archeologia | Studi E Documenti | [rule] 8 [rule] | Angelo Lipinsky | Oro, Argento | Gemme E Smalti | Tecnologia Delle Arti | Dalle Origini Alla Fine Del Medioevo | 3000 a.C. - 1500 d.C. | [logo] | Firenze | Leo S.Olschki Editore | MCMLXXV [1975]

8°: XIV, [1], [1 blank], 514, [1], [1 blank] p; glossy front col photo pls tip-in; 124 photos & drawings; 28 maps. Brownish-red buckram, gray title on cover & spine; transp plastic dj with gold logo & jewel. V pale gray endp. 31 x 21.4 cm(12 1/4 x 8 3/8 in). Cut. Lire 48,000. JSL.

Cont: blank p; other bks in series; front; tp; dedic; quot; pref; abbrev list; text tp; introd; ackn; text in 7 bks; concl; classified biblio (456-64); biblio by author(465-79); indexes tp; 6 indexes; tab cont; print data.

A large and important work on the technology of the precious metals, gemstones, and enamels, as used in jewelry and objects of ornament during the period 3000 BC to 1500 AD, or to nearly the close of the Middle Ages. The first "book," or actually, chapter, considers the history of the worker in gold, his social position and importance, and other topics which relate to the human element in the gold recovery/applications industry. The second chapter treats in detail sources of gold & silver available to the ancients with maps showing deposits in Europe and countries surrounding the Mediterranean. Chapter 3 is on mining & metallurgy of precious metals, followed by chapters 4 & 5 which are devoted to all the processes whereby these metals are transformed into finished pieces of jewelry & ornament. Chapter 6 is of greatest interest to the gemologist because it concerns itself with gemstones and other ornamental materials, p 277-387. It opens with remarks on gem lore and includes a diagram of stone locations upon the High Priest's breastplate, ancient writers on gemstones, from Pliny onward, and includes a 16-verses poem on gemstones written by the Abbess St Odilia of Alsace(d 1195). Next is a lengthy discussion of ancient gemstone sources with a sketch map of such for the Near East and India. An alphabetical list of gemstones, p 291-305, gives species & varieties with remarks on their uses in antiquity and with another map spotting sources for lapis lazuli, nephrite, and jadeite in Asia. A special section discusses the almandine garnet and its very common use in jewelry during the period concerned. In another section, the "gems of the sea" receive description & discussion, namely, pearl, nacre, operculum, coral, etc, with a following discussion of animal products as ivory, bone, horn, and bezoar. The discussion of raw materials is finished with substances from the vegetable kingdom, including here a large section, with maps, on amber, also jet, coconut, and several hardwoods. This rich and entertaining chapter ends with a description of lapidary treatments for ordinary cabochon and faceted gems, beads, and engraved gems. As is the practise in other chapters, there is a reference list at the end, p 363-87, with approximately 800 entries classed by scientific gemology, symbolism, lore, lapidary work, medicinal properties, Biblical gems, and individual gemstones or groups of gemstones. This is surely one of the most important gemological bibliographies to be found anywhere in modern literature but unfortunately containing many spelling mistakes, especially of author's names. No paginations are provided and many of the entries are periodical articles. The last chapter of the work treats enamels and enameling.

3989. -----1980 Archeogemmologia: proposta di una nuova scienza sussidiaria per l'archeologia e la storia dell'arte della gioielleria. *La Gemmologia*, Milano, 6, 1-2, 1980, 7-40, 6 tab; many refs(p 32-40). JSL. Lipinsky coins the word "archeogemmology" for the study & identification of gems & ornamental materials used in antiquity. In this article he provides tables of zodiacal signs, breastplate gemstones, transcriptions & translations of same, ancient lapidary centers, a catalog of "archeogems," and gemstones employed in ancient engraved gems according to Furtwängler, *Die antiken Gemmen*, 1900, which see. With a very long list of references.

LIPPERT, PHILIP DANIEL(1703-1785)

Ger glass maker; b Dresden; largely self-taught in arts, Greek, Latin, & archeol; noted for his paste impressions of antique engrav gems with texts. *Biogr Univ*, 21, 544-5; additional biogr notes included below.

3990.-----1753

Gemmarum | Anaglyph. Et Diaglyphicarvm | Ex | Praecipuis Europae Museis | Selectarum | Ectypa M. | Ex | Vitro Obsidiano Et Massa | Quadam, | Studio | P.D.Lipperti | Fusa Et Efficta. | Recensita | Dresdae M D CC LIII. | [orn rule] |

Ex Officina Hagenmulleriana. [Dresden, 1753; title enclosed in double-rule frame]

4°: [6], 52, [1], [1 blank];)(^{3}, A-F^4, G^2, lambda^1, supplied, bound-in. Ch orns. All text enclosed in double-rule frames. 19.2 x 16 cm(7 5/8 x 6 1/4 in). Cut. JSL.

Cont: tp; pref; tab cont; catalog; emends; blank p.

A catalog briefly describing 1,000 impressions of antique engraved gems, manufactured and sold by Lippert. It was followed by other catalogs for additional series of casts. Furtwängler, *Die antiken Gemmen*, 3, 414-5, states that Lippert was an apprentice in the glass-making trade and with the knowledge thus acquired resolved to provide the public with a series of antique gem casts which would far better serve to acquaint them with the beauties of ancient gems than could any book illustrated in the conventional manner. Despite living in straitened circumstances in Dresden, Lippert invested as much as he could spare from a meager income to buy books and impressions of gems, and by intensive study, to become a self-taught expert in classical aniquities. The paste he compounded was made from "Talkerde" or magnesium oxide in part, although the exact formula was never divulged. Furtwängler, ibid, criticized the casts for lacking sharpness in detail and that some of the impressions were of modern gems. Despite these drawbacks, the collection sold widely at the time and served to arouse the public's interest in this field. In contrast to these remarks, W Lippmann, *Winckelmann*, New York, 1970, 108-9, notes that Lippert, "the doyen of Saxon gem collectors," began his career as a draftsman but after seeing engraved gem facsimiles in a friend's collection, his fascination was captured and he decided to give up his position and enter the porcelain business in order to learn how to make his own copies of gems. These were made from "a compound of magnesium oxide and isinglass, or fish glue, which were cheaper than concoctions of sealing wax, gypsum,calcium sulphate, and other substances employed by his competitors." Also, according to Lippmann, Lippert obtained the help of Johann Friedrich Christ(1700-1756), a professor at the University of Leipzig, to provide "the learned framework for the catalogue by way of suitable quotations from ancient authors and mythological explanations." Christ also translated the scholarly portions of the catalog into Latin, later revised, and then re-translated it into German. Both Furtwängler and J F Roth, *Mythologische Daktyliothek*, 1805, p vii ff, which see, laud Lippert as being the pioneer in the large-scale manufacture & distribution of engraved gem impressions. The present work is a small book, prefaced by remarks on the importance of such casts in the study of archeology and describing the scope of the offerings which are catalogued in classes as Egyptian, Grecian, and Roman deities, sacrificial rites & feats, Homeric gems, important persons, gladiators, animals, etc. The body of text is in the form of tables, in column, giving the number of the piece, the original gemstones, the collection in which preserved, and references to publications. Vinet 1623; see also the extended remarks of the Zazoffs, *Gemmensammler*, p 137-95, passim, esp p 150-61.

3991. -----1755, Leipzig edit

Dactyliothecae | Vniversalis | Signorvm Exemplis Nitidis Redditae | Chilias | Sive | Scrinivm Milliarivm Primvm | [rule] | Delectis Gemmis Antiqvo Opere Scalptis | Plerisqve Eisqve Fere Hodie Praedicatione Et Notitia | Mvltorvm In Omni Evropa Clarissimis Exemplo De | Mvseis In Massa Qvadam Terrea Candida | Petito | [rule] | Expressit Ordinavit | Edidit | Philippvs Dan.Lippert | Dresd. | [rule] | Stilvm Accomodabat Intelligendis Qve Per Coniectvram | Argvmentis Litteras Nonnvllas Praefatvs Qvoqve De Rei | Gemmariae Veteris Gratia Singvlari | Ioh.Frider.Christivs | Prof.Artivm Pvblicvs | | [rule] | Lipsiae | Ex Officina Breitkopfia CI I CCLV. [title in orn frame]

4°: XVIII, [1], 120 p; * - **^{4}, ***^{2}, A-P^4; 6 exquisite engrav head- & tailpcs; all text enclosed in double-rule frames. 25.7 x 19.9 cm(10 1/8 x 7 7/8 in). Cut. Yellowing, poor quality paper. JSL.

Cont: tp; dedic; pref; tab cont; catalog in Latin to p 106; condensed catalog in Fr p 107-12; indexes; corollary.

The considerable text supplied by Johann Friedrich Christ(1700-1756), sometime professor of history & poetry, Jena and Leipzig. Vinet 1623.

3992. -----1756, the 2nd 1,000 impressions. Not seen.

3993. -----1763, the 3rd 1,000 impressions. This edit now with text provided by Christian Gottlob Heyne(1729-1812), an illustrious Ger scholar & critic. Not seen.

3994. -----1767

Dactylyiothec | Das · Ist · | Sammlung | Geschnittener · Steine · | Der · Alten · | Avs | Denen · Vornehmsten | Mvseis | In · Evropa · | zvm · Nvtzen · | Der Schönen · Künste · | Vnd · Künstler · | In · Zwey · Tavsend · | Abdrücken | Ediret · Von · Phil · Dan · Lippert · | Anno M · DCCLXVII [Leipzig, Aus der Druckerey Bernhard Christoph Breitkopfs und Sohns, 1767]

Above from the engrav title, the words appearing upon a plinth in foreground with classical temple & ruins in background; a fine, elaborate border, designed by Lippert & engrav by Bernigeroth(1764); additionally, the half-title is within a part-engrav frame.

Part I, 4°: 1/2tp f + tp f + [4]p + [1] p + p IV-XLIV + 344 p; 2 pi + *^{2} a2-4, b-e^4, f^2, A-Uu^4; 2 text woodcuts; engrav pl(8 ills) bound-in betw p XXXVIII-XXXIX; 23 engrav head- & tailpcs & inits, all very fine. Part II: title f, part engrav + 307, [1]p; pi + A-Pp^4, Qq^2; 8 head- & tailpcs. 24.5 x 19.7 cm(9 3/4 x 7 3/4 in). Cropped. USGS Kunz Coll, GS 34-788.

Cont: I: 1/2tp; tp; explan of engravs; catalog first 1,000 impressions. II: tp; catalog 2nd 1,000; subj index; footnote index; gem engraver name index; errata.

While the preface discusses engraved gems in general, it is perhaps more noteworthy because of its descriptions of the machinery and tools used by the gem engraver, and remarks on the preparation of the crushed diamond powder used for cutting, with one of the text woodcuts showing the mortar & pestle used for crushing, while the other cut shows a typical engraving point. There are also comments and a plate on antique vessels and urns of elaborate classical designs. The catalogs list the gems, their materials, provenances, present location, and literary references. Roth, op cit, p viii ff, notes that the Latin translation of Heyne found little acceptance and caused Lippert to prepare the present German text, with Thierbach and Scheller taking the classical references and translating them. The work is now an abstract from all previous 3,000 impressions and is divided into mythological and historical subjects, the first part offering 1005 mythological impressions and the second, 1095 historical gems. The *Supplement*, described below, offered another 575

mythological and 474 historical pieces. An extended commentary was provided by C A Klotz in his *Acta litteraria*, 4, p II, Altenberg, 1767, p 194-206. Copious remarks by Furtwängler, op cit, 3, 415; Vinet 1623; Goodland, 372.

3995. -----1776, suppl to above

Supplement | zu | Fhilipp Daniel Lipperts | Dacktylothek [sic] | bestehend | in Tausend und Neun und Vierzig Abdrücken | [rule] | [rule] | Leipzig | bey Siegfried Lebrecht Crusius | 1776. [all in an elaborate engrav frame as in 1767 edit]

4°: [10], [1]p + p X-XX + 184 p; pi^5, $**^4$, $***^2$, $A-Z^4$. Engrav borders & headpcs for first 5 f; another engrav at begin of pref and its end; text title within engrav frame; 2 text engrav, also another engrav title frame and frames elsewhere. 24.5 x 19 .7 cm(9 3/4 x 7 3/4 in). Cropped.

Cont: tp; dedic; pref; suppls; index.

LIPPOLD, GEORG(1885-1954)

Ger classical archeol; stud Munich, Berlin, PhD 1907; various museum duties; private docent U Munich; specialty Greek & Roman sculptures & portrs, also engrav gems. NDB 14, 668-9.

3996.-----1922

Gemmen | Und Kameen Des Altertums | Und Der Neuzeit | In Vergrösserungen | Herausgegeben | Von | Georg Lippold | [logo] | Mit 1695 Abbildungen | auf 167 Tafeln | Julius Hoffmann Verlag | Stuttgart [1922; title enclosed in 2 double--rule, nesting frames]

8°: XII, 190, [2 blank]p; 1695 ill on 167 bound-in pls(p 1-167), Dull, brownish-yellow coarse-wove unfin cloth; black panel with gold border rules enclosing gold title on cover & spine, both printed upon paper & pasted-on. Pale tan endp. Light brown dj with panels similar to covers. 29.5 x 22.8 cm (11 5/8 x 9 in). I have seen a later(?) issue in reddish-brown mottled paper over bds, cloth spine, plain text paper with the plate f remaining glossy; endp decidedly yellowish. LC 24-1691. JSL.

Cont: 1/2tp; tp; press data; fwd; technol of engrav gems; gem cutting hist; pls; explan of ills; biblio(p 187, 4 entries); pls index; blank f.

Essentially a compilation of very good, clear photographs of engraved gem replicas whose originals are scattered throughout Europe. The preliminaries include a short treatise on the technical aspects of gem engraving, the materials used, a little about rings, and a good summary history of the art. After the plates are explanations of depicted gems with information on materials, subjects, pertinent literature, and place where preserved, The first and larger series of plates deal with antique gems while the second treats modern gems. Zazoffs, *Gemmensammler*, 236, 241.

LISITSYNA, E E, see BALITSKII, V S

LITSAREV, M A, see BELIKOV, B P, et al

3997. LITTICH, FRANZ

Franz Littich | Historische | Diamanten | und ihre Geschichte | Insgesamt werden 247 Diamanten beschrieben | Im Anhang Ordnung dieser Diamanten | nach Fundort, Rohgewicht und Karat | [logo] | Rühle-Diebener-Verlag | Stuttgart 70 [1982]

8°: 163, [1 blank] p; 40 col photos on 8 glossy f bound-in betw p [4]-5. Glossy black paper over bds, col photo & white title on front; white spine title; each endp with col advert. 23.4 x 16.3 cm(9 1/4 x 6 3/8 in). Cut. DM 64.- JSL.

Cont: 1/2tp; tp; publ data & cover caption; col ill; descriptions; tabs.

One of the longest lists of famous & large diamonds in existence but also notable for including a number of smaller stones, a few being only several carats, if such are of historical significance, eg, stones from Arkansas. Some larger stones are illustrated in the color section along with Napoleon's necklace, an English crown, and several jewels in which famous diamonds are set. There are some photos of replicas. Data include rough and cut weights, places of discovery, etc. References listed by author are so terse that many are useless, lacking publishing dates, publisher, etc. Rev *J Gemm*, 18, 4, 1982, 353.

3998. LIU, T'I-CH'ING

Ancient | Chinese | Jade | Explanatory Notes on Mr.T.C.Liu's Unique | Collection of Examples of Chinese Art | U.S.A. Representative: Mr. Henry H. Wu | [in blue ink, stamped:] Mr.Henry H.Wu | c/o Mr.Z.Y.Loo | 737 Wai-Hai-Wai Road | Shanghai, China | - 1 -

No place or date; C Denman, Jade, 1945, p 120, gives the full spelling of Liu's name as above and the publisher as H H Wu, Shanghai, 1933.

8°: 85, [1]p; 2 photo portrs(T V Liu & H H Wu) + 19 photos of jades & other objects, all supplied with plain tissues; 4 fig; 9 rubbings of inscriptions. Maroon cloth over exceptionally thin bds; gold lett on cover & spine. 37.1 x 26.6 cm(l4 5/8 x 10 1/2 in). Cut. JSL.

Cont: tp; portrs; tab cont; pref; 18 chs(includes pref); publ data.

The preface indicates that offers to buy the collection will be accepted by Henry H Wu who "is bringing these antiquities to the attention of the American public." There are about 24 items, ranging from ornaments to ceremonial insignia, statuettes, and seals, some of the latter being gilt brass. The plates are of fair quality, with Chinese inscriptions, and items carefully explained with dates. The text is parallel Chinese/English. Many copies disintegrating due to large size & thin boards, easily deformed or bent, and poor hinging of contents. Summary by G M Born, 216-7.

3999. LIVACHE, ACH

The Manufacture Of | Varnishes | And Kindred Industries | Based On And Including The "Drying Oils And Varnishes" | Of | Ach.Livache | By | John Geddes McIntosh | Late Lecturer On Varnish Manufacture At The Polytechnic, Regent Street, And | The Borough Polytechnic | Second, Greatly Enlarged, English Edition, | In Three Volumes | Volume II. | Varnish Materials And Oil Varnish Making | London | Scott, Greenwood & Son | "The Oil And Colour Trades Journal" Offices | 8 Broadway, Ludgate Hill, E.C. | 1908 | [All rights (including the sole right of translation into English of M.Livache's | treatise) remain with Scott, Greenwood & Son]

P [iv]: "First French Edition Issued In Paris, 1896. First English Edition(One Volume), Enlarged And Adapted, Issued In London, 1899. Second English Edition, Further Enlarged And Improved... Issued 1904-8." Only the second volume is considered here.

8°: vi, [1], [1 blank], 209 pp + [3], 24 advert p; 54 text fig + 16 fig on otherwise blank p [193-6]. Dk green morocco-grained cloth, gilt cover & spine titles; blind cover frames; dull

gray endp. 21.5 x 13.5 cm(8 1/2 x 5 3/8 in). Cut. 10s 6d net. JSL.

Cont: 1/2tp; advert; tp; print hist; pref this edit(vol 2); tab cont; 10 chs; advert.

The utilization of amber and copal for purposes other than ornament is often referred to in gemological texts, and such applications are treated in this work. The nature of the resins is described, and methods used to make them into varnishes. The gemologist will find especially interesting the discussions of uses of resins in antiquity, their comparative properties(Ch 1), with an entire chapter (2) devoted to amber alone, and including its history, sources, varieties, paleontological and mineralogical classification, properties, chemical composition, and uses. The very large Chapter 4, p 41-87, is devoted to a considerable number of copal resins from various places in the world as Africa, Asia, and New Zealand(kauri gum). Here are discussed the plants that furnished copal resins, illustrations of same, with the result that this chapter provides an excellent overview of this class of resins which are sometimes used in ornament & jewelry but seldom described adequately in ordinary gemological texts.

4000. LIVERINO, BASILIO

Basilio Liverino | Il Corallo | esperienze e ricordi di un corallaro | analisi [Bologna: Analisi-Trend, 1984]

"Collana Di Cultura Materiale E Storia Industriale l."

8°: IX, [1 blank], 229, [1]p; 212 col ill; 2 part-col maps; 21 b&w fig. Col glossy paper over bds, col photo & title front cover, spine title. 27.7 x 22.7 cm(10 7/8 x 9 in), Cut. JSL,

Cont: blank p; ser tp; tp; prefs(3); 8 chs; gloss; biblio(p 228, 20 entries); tab cont; press note.

This appears to be the most complete and valuable monograph on jewelry grade coral written in this century and covering fully aspects of natural history that are less well treated in the comparable, contemporary work of Tescione, *Il corallo*, 1965, which see. Although Liverino obviously knows Mediterranean coral best, his career in the famous coral-manufacturing center of Torre Del Greco in Italy qualifies him to insert remarks on coral from other seas, namely from the increasingly important waters of the Hawaiian Islands, the Midway group islands, and other places in the Pacific and Atlantic oceans which in recent years helped to augment the diminishing harvests in the Mediterranean. The text opens with a discussion of knowledge of coral in antiquity, relying for many statements on Ganz's *Coralliorum historia*, 1669, which see, and Pliny's *Natural history*, among others, and with fascinating color reproductions of plates taken from a Venetian 18th century encyclopedia, then passes into a discussion of the natural history of coral, its environmental requirements, fishing techniques, etc. Other chapters describe corals and their fishing in both Pacific and Mediterranean waters, the properties of coral as a material for jewelry, varieties, the manufacturing processes and the objects made, coral used in medicine, coral ornaments among primitive folk, and in the last two chapters, the current status of the industry in Torre Del Greco. The entire work is handsomely and appropriately illustrated.

4001. LIVERMORE & KNIGHT COMPANY

The Diamond | Where It Is Found | How It Is Cut | Famous Diamonds Of The World | [in double-rule box:] The | Hallmark | Store [Providence, R.I., 1917; title in blue & black, with blue rules above & below]

Centerstapled & with white silk tie; 34 p, blank f ahead of title, 2 blanks after text. Pale mottled-gray paper wrap, elaborate floral frame on cover with words "The Diamond." Endp identical to wrap paper but thinner. 12.6 x 9.6 cm(5 x 3 3/4 in). Cut. JSL.

Handsome promotional booklet for sale to jewelers who could then stamp or affix a company title to the front cover. Briefly describes the diamond, its qualities, colors, values, sources, mining, etc, with descriptions of several famous diamonds, and remarks on marketing, cutting, mounting, setting, and care of diamonds.

LIVERSIDGE, ARCHIBALD(1847-1927)

Engl chem, geol; educ Roy School of Mines; MA Cambridge U; LLD Glasgow U; prof chem U Sydney, New South Wales, 1872-1908; founded the school of mines 1890. Obit L J Spencer, *Min Mag*, 22, 131, 1930, 397-8; Pogg 4, 898; extended remarks on by T G Vallance, "Sydney Earth... Mineralogy of Colonial Australia 1788-1900," *Proc Linn Soc NSW*, 108, (3), 1986, 149-81, specifically p 171 ff.

4002. -----1888

The Minerals | Of | New South Wales, | Etc. | By | A.Liversidge, M.A., F.R.S. | Professor Of Chemistry And Mineralogy In The University Of Sydney. | With Map. | London: | Trübner & Co., Ludgate Hill. | 1888. | [All rights reserved.]

8°: viii, 326, [2 advert]p; fold col min map NSW(57 x 65.5 cm, 22 1/2 x 26 in) tip-in; 4 woodcuts; 5 photos; 4 photos on single tip-in pl; fold tab tip-in; 3 diagrs tip-in(1 fold). Olive-green cloth, black horizontal rules top & bottom on front cover & spine, the latter with gold lett but cover with a finely-detailed crystallized mass of gold in gold with gold lett. Dk olive-green dull fin endp. 25.2 x 16.3 cm(9 7/8 x 6 3/8 in). Teg; others untrimmed. JSL.

Cont: 1/2tp; fold map; tp; publ data; tab cont; introd; 2 parts; append; mineral locality list; mineral localities according to county; index of minerals; advert.

Liversidge, p [11, states that the predecessor of this book was a paper published in the *Trans Roy Soc NSW*, Dec 1874, while a 2nd and enlarged edition appeared in *Mineral Products of New South Wales*, published by NSW Mining Dept in 1882. He therefore calls the present work the "3rd edition" when actually it is the first edition as an independently published work, and as such, the first comprehensive treatise on the mineralogy of New South Wales. All classes of mineral are treated but the gemologist will find most interesting the descriptions of gemstones, p 196-204, embracing corundum, beryl, zircon, topaz, spinel, garnet and idocrase; elsewhere are treated diamond, jet, marbles, massive fluorite, quartz varieties, opal, silicified wood and serpentine, with the Bingera diamond field being described on p 235-47, along with another diamond field of lesser importance. Handsome, rare.

LIVINGSTON, LIDA, see DALI, S

LIZZADRO, J S, see LYTLE, M A

4003. LIZZADRO MUSEUM

Lizzadro Museum | Spring - Summer 1971 | Special Exhibit | Carvings Of Idar-Oberstein, Germany | June 5th Through August 31, 1971 [cover title only; The Lizzadro Museum of Lapidary Art, Elmhurst, Illinois]

Centerstapled: 32 p; 31 photos(5 col). Thick, glossy wrap, col photo & title on cover, museum info elsewhere. 22.8 x 15.3 cm(9 x 6 in).

Brief sketch of lapidary center of Idar-Oberstein, Germany, with fine photos, esp of superbly carved gemstones in the manner of Fabergé; also an article on fossils of Bundenbach, nr Idar, and on birthstones by D A Kinney.

4004. LJUNGGREN, C J F

Hantwerksinstitutets Yrkeshandböcker | Serien Materialkunskap | N:o 11 1924 | [double rule] | Diamanter Och Ädla Stenar | Världens Största Diamanter | Och | Syntetiska Ädelstenar | Av | C.J.F.Ljunggren | [rule] | Pris Kr. 1:50 | [logo] | Hantwerksinstitutet, Nytorgsgatan 17, Stockhom [1924]

Centerstapled: 43, [1 blank]p; 14 fig, photo of the Institute. Pale brown print wrap, title on cover, other publs on back. 18.5 x 14.6 cm(7 1/4 x 4 1/2 in). Cut. JSL.

Cont: tp; tab cont; introd; fwd; 3 sects; advert; blank p.

For students attending the Industrial Arts School, Stockholm: 1 descriptions & properties of diamonds & other important gemstones, also quartz gemstones and many rare or unusual species & varieties of gemstones seldom commercially sold, 2 famous diamonds, Cullinan, Regent, Eugenie, Polar Star, Southern Star, etc, with photos, and 3 very short section on synthetics.

LLERAS CODAZZI, R, see CODAZZI, R L

4005. LLOVET, ENRIQUE F

Dr.Enrique F.Llovet | Cristalizaciones Ignoradas | Cristalizaciones laminaires y huecas, de calcedonia | del Uruguay, de formacion esponanea; difieren de | las cristalizaciones solido-compactas descritas hasta | el presente por los mineralogistas; no desconozco | que existen raros crustales ahuecados en forma ca- | prichosa e irregular. |... [followed by translations of this statement in Fr, Engl, Ger; all of title enclosed in single-rule frame]

Inside front wrap: "Se Termino De Imprimir En Montevideo, El 20 De Diciembre De 1961 Imprenta Mercur..." [priv publ]

Edgestapled: [1], 24 p; 31 photos(4 b&w, others in col, on 10 glossy f). Print wrap, title on cover. 24.2 x 16.5 cm(9 1/2 x 6 1/2 in). Cut. Two amplifying cut-outs of text were inserted by author after p 10 & 18. JSL.

Cont: tp; text; author's credentials, etc.

Llovet, a medical doctor, formed a collection of casts, molds, and pseudomorphs of chalcedony/amethyst/rock crystal, whose peculiar morphologies convinced him that he was observing and reporting on something hitherto ignored by professional mineralogists. The casts, molds, etc, are clearly recognizable as after calcite and aragonite in most of the specimens depicted. The collection is large, varied, and valuable, even though the conclusions drawn by the author for the "strange" behavior of quartz are erroneous. The substance of this work was published as "Unusual hollow chalcedony crystallizations of Uruguay," *Lap J*, 17, 5, 1963, 294-300; 6, 372-7; 7, 458-66.

4006. LLOYD, STUART(1902-1967)

The Lightning Ridge Book | All rights reserved to all original material | and the map in this book. | Except for the purpose of review, reproduction | is prohibited. | This book is distributed by | Stuart Lloyd | 1 Apsley Crescent, | Mumbil. N.S.W. | The cover of this book was designed and coloured by | Bonnie Watt | of Lightning Ridge, | Printed by | South China Morning Post, Ltd.] Conmercial Printing Division | Hong Kong [1967]

8°: [6], 25Op; 14 photos & doublep map on 4 glossy f bound-in. Plasticized thick black paper wrap, col lett on cover & spine; tab cont back cover. Plain white endp. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: tp; ackn; dedic; introd; "untruths;" 24 chs.

Thoroughly captivating potpourri of information and anecdotes on the celebrated Lightning Ridge precious opal field of New South Wales and covering virtually every aspect of discovery, history, development, and human employment and interest. Lloyd collected his ana over many years via personal interviews and by consulting local records and newspapers. Particularly interesting is a short chapter, p 4-6, about books written on Lightning Ridge and its opal, or written by residents of the district, though not necessarily on opal. An invaluable feature is a list of opal buyers, p 10-19, with brief vitas for each, and similarly, a list of opal cutters, p 27-31, as well as other "characters" of the field, p 32-56, all of which preserves this fleeting information for posterity. There is another chapter on personalities encountered in the Grawin opal field, and other chapters of merit that deal with mining methods, local histories, financial arrangements, robberies, legal problems, claim information, famous opals, opal glossary, water supply, other opal fields of note, and early newspaper accounts.

In a letter received from Mrs Evan Fuller (formerly the wife of the author), of Wellington, NSW, Stuart Lloyd "died 4 weeks after we had received the 1st edition of the book from Hong-Kong (Where I had it published). I was the publisher and sole distributor - sold(distributed) every one of the two editions. Last year, early 1979, I put it into the third edition, published this time in South Australia." A previous letter indicated that the first two editions(printings) totaled 6,000 copies. Further, "I helped Stuart with the compiling of the book, and did a great deal of the research work, and interviewed great numbers of the original old L/R miners, (most, all now gone to the Great Beyond)." (Ltr dtd May 1, 1980). The reprint of 1968 not seen.

4007. -----1979, "3rd edit "

The | Lightning Ridge | Book | Stuart Lloyd | Publisher: | Mrs.Evan Fuller, Wellington, N.S.W. 2820 | Publisher's Agent: | Robina Boardman, Lightning Ridge, N.S.W. 2392 [1979]

Cementb: [14], 250p; 14 photos & doublep map on 4 very pale tan f not includ in pag. Similar wrap, but unplasticized. 21.3 x 13.5 cm(8 3/8 x 5 3/8 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; dedic; ackn; pref; tab cont; introd; "untruths;" 24 chs.

Aside from rearranged front matter, text is same, but there now is a new preface which actually is a short biography of Lloyd by Max Walters. The illustrations formerly on glossy paper are now on dull-surface paper with loss of clarity and contrast.

LLUGARDO, D BERNABÉ, pseud, see BELLUGA, BERNARDO

4008. LOBANOV, D I Katalog muzeya Uralskogo Obshchestva Lyubiteley Estestvoznaniya v Ekaterinburge. *Zapiski Ural Ob-va Lyubit Estestvozn* v 20, 1, 1898, 512 p. Catalog of the

museum collection, said to include numerous examples of Uralian gemstones. There is said to be a Fr edit, 1897, 374 p; neither seen.

4009. LOBANOV-ROSTOVSKII, VERA (DOLGOROUKY) (d 1919?)

Catalogue | Des | Joyaux | Colliers De Perles | Joailleries, Perles & Brillants | Rivières en brillants et Pierres de couleurs | Ayant Composé L'Écrin | De La | Princesse Lobanoff de Rostoff | Née Princesse Dolgorouky | Dont La Vente Aux Enchères Publiques Aura Lieu | A la requête de M.Decker De Dhuillier | Lausanne-Palace | A Lausanne (Suisse) | Les Lundi 12, Mardi 13, Mercredi 14, Jeudi 15, Vendredi 16, Samedi 17 Janvier 1920 | à deux heures | Avec Le Concours De | M.Henri Baudoin |...| M.Louis Cartier M.Armand Pochelon |... [title in red & black]

At head of title: "Étude De MM.Eug. & Ad.Monod | Notaires A Vevey (Suisse) | [rule] |..."

4°: [1 blank]f supplied + 75, [1 blank], [1], [3 blank]p; the first 2 p of text portion blank; 28 bound-in phototype pls, each with translucent tissue bearing a red numeral; ch orns. Thick, pale tan wrap, inward fold flaps over first supplied blank f, and over the last blank f of text portion. Engrav title, with crown, on cover. 32.8 x 25.2 cm(12 7/8 x 10 in). Untrimmed. USGS Kunz Coll, GS 34-631.

Cont: blank f; 1/2tp; sale cond & print data; tp; order of sales; pref; catalog; print data; 3 blank p.

Magnificently illustrated auction catalog of the impressive precious stone jewelry and several watches that belonged to Princess Vera Lobanoff de Rostoff(or Lobanov-Dolgoruki, or Dolgorukov), of the Dolgorouky princely family of Russia; the princess married a brother of the famous statesman, Alexis Borisovitch L de R(1824-1896). Details on the princess' life and career are provided in the preface by Georges Berg. The catalog lists and briefly describes 280 lots, of which the major pieces are pearl necklaces, rivières, colliers, and others, set with diamonds, and a few single items of great beauty and merit that are set with sapphires, emeralds, rubies, turquoises, and other gemstones. The large plates are remarkable for their sharpness and revelation of every detail of the items portrayed. One double-page plate shows a magnificent pearl necklace. All plates depict items in full size. An elegant production.

4010. LOBSTEIN, ÉMILE

Les | Mines De Diamant | Du Cap | Par | Emile Lobstein | [rule.] | Notice D'Après Une Étude Publiée Par L'Auteur | Dans | Le Génie Civil | [orn rule] | Paris | Imprimerie E.Buttner-Thierry, Rue Laffitte, 34 | [rule] | 1889

Centersewn: 20 p, pale brown wrap, cover title. 23.7 x 15.1 cm(9 1/4 x 6 in). Cut. USGS Kunz Coll, GS 34-789. Cont: tp; text.

Discovery of diamond in South Africa, geological setting, exploitation, ore processing, mining, qualities of diamonds, administration, statistics.

4011. LOCARD, ARNOULD(1841-1904) Histoire des coquillages. Leurs applications aux coutumes religieuses, aux arts et à l'economie domestique. Tours: Cattier, 1889. 8°: 239 p. "Numerous engravings; sacred shells...history of nacre and pearl, production & fishing of nacre and pearl... [etc]." Not seen; from a French bookseller's catalog of Oct 1986.

4012. -----1892

Mineraux Utiles | Et | Pierres Précieuses | Leurs Applications Aux Arts | Et A L'Industrie | Par | Arnould Locard | Ingénieur Des Arts Et Manufactures | [logo] | Tours | Alfred Cattier, Éditeur | [rule] | 1892

8°: VIII p + p 9-223 + [1]p. Front pl tip-in; fullp & other text cuts. Bright blue wrap, title in orn frame on cover; spine title; orn in orn frame back cover. 22.8 x 14.2 cm(9 x 5 5/8 in). Uncut. USGS Kunz Coll, GS 34-382.

Cont: 1/2tp; front; tp; print data; pref; 8 chs; tab cont.

General economic geology & mineralogy. Ch 8, 191-223 on gemstones, beginning with diamond(illustrated by cuts of famous stones), quartz varieties, opal, cat's-eye, sapphire & ruby, chrysoberyl, turquoise, beryl & emerald, topaz, and others. A fullpage cut in this chapter shows fancifully a water-powered mill in the Tyrol, manned by traditionally-costumed workmen, stamping garnetiferous rock to recover garnets. The entire work is written in popular language.

LOCH, A, see OLDENBURGISCHEN INDUSTRIE... IDAR

LOCKHART, J G

Brit politico, writer; distinguished service World Wars I, II; sometime priv secty Lord Halifax; best known for biogrs Churchill, Halifax, etc.

4013. -----1933

Cecil Rhodes | by J.G.Lockhart | Great Lives | New York | The Macmillan Company | 1933 [title in double-rule frame]

8°: 135, [l]p; sketch map. Brownish-red cloth, gold lett spine. Dj, Rhodes portr on cover. 18.2 x 11.3 cm(7 1/8 x 4 1/2 in). Cut. JSL.

Chs 2 & 3 on Kimberley and diamonds, p 15-28; mentions elsewhere in text. Also publ in London, same date; 2nd impress

4014. -----1938

J.G.Lockhart | [taper rule] | Curses, Lucks | and Talismans | Geoffrey Bles | Two Manchester Square, London [1938]

8°: viii, 184 p; front photo pl on tip-in glossy f + 6 others tip-in. Black cloth, gold title on cover & spine, latter with logo. 21.5 x 16.2 cm(8 1/2 x 6 3/8 in). Te stained yellow; be untrimmed. A later printing in blue cloth, black titles on cover & spine. 21 x 16.1 cm(8 1/4 x 6 3/8 in). Ae plain; cut. JSL.

Cont: 1/2tp; other bks of author; front; tp; publ data; tab cont; introd; text; index.

Curious lore on a variety of objects, also curses and their results, and good fortune attributed to certain events, places, or objects. See particularly Famous Diamonds, 61-71, including Regent, Great Mogul, Orloff, Moon of the Mountains, Koh-i-Noor, and Hope. Rock crystal balls as good luck objects, 133-8. Reprinted "unabridged and facsimile," by Singing Tree Press, Gale Research Company, Detroit, 192 p, cloth, 8 1/2 x 5 1/2 in, @ $12.50. No date given. Not seen.

4015. LOCKHART, J G & WOODHOUSE, C M

Rhodes | By | J.G.Lockhart | and | The Hon. C.M.Woodhouse | [logo] | Hodder And Stoughton [London, 1963]

16°: 511, [1 blank]p; 21 photos on 8 bound-in glossy f. Green cloth, gold lett & logo on spine. Endp sketch maps in

green. Col dj, resume, vitas, adverts, 22.2 x 14.7 cm(8 3/4 x 5 3/4 in). Cut. 42s net. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ill list; sources; introd; 28 chs; 3 appends; index; blank p.

"A new biography based, for the first time, on unrestricted use of the Rhodes papers"(dj). Also, "the main purpose... has been to make full use of the Rhodes Papers at Rhodes House. Oxford." Diamonds, and the industry, and the part played by Rhodes and others in the development of the diamond industry are most frequently mentioned in chs 2 & 3, 46-79, while the amalgamation of claims on the big pipe at Kimberley is the subject of Ch 7, 106-22. The remainder of the work deals mainly with Rhodes' financial & political aspirations, successes, and failures.

4016. -----1963, New York edit

Cecil | Rhodes | The Colossus of Southern Africa | [orn] | By J.G. Lockhart | And The Hon.C.M.Woodhouse | The Macmillan Company :: New York

16°: xiii, [1 blank], [1], [1 blank], 525, [3 blank]p; ill only on pale tan endp(sketch map, photos, all different, and on flyleaves as well as pastedowns). Red cloth, with blue cloth spine and overlapping bds, upon which margins appear 3 rampant gold lions on front cover; lions & lett in gold on spine with title in white. Col dj, resume, vitas, cartoon on back. 23.8 x 15.9 cm(9 3/8 x 6 1/4 in). Cut. Te stained blue. $12.50. LC 63-11805.

Cont: 1/2tp; tp; publ data; tab cont; sources; text tp; introd; 28 chs; 3 appends; indexi 3 blank p.

Entirely reset, in "American" English; lacks the illustrations as noted above, and ill list.

LOCKHART, J G, see BEIT, A

4017. LOEBÈR, J A, Jr

Kolonial Instituut | Amsterdam. | [double-rule] | Been-, Hoorn- En Schildpadbewerking | En Het Vlechtwerk In Nederlandsch-Indië, | Door | J.A. Loebèr Jr. | [orn rule] | Geïllustreerde beschrijvingen van Indische Kunstnijverheid No.VII*). | [orn rule] |...[10 lines of other works in this series]... | Uitgave Van Het Instituut | Druk Van J.H.De Bussy, Amsterdam. | 1916

8°: 71, [1 blank]p; front photo pl tip-in + Pls II-XX bound-in & tip-in at end; fig a-f on single glossy f tip-in betw p 62-3; Pls XVII to XX are folding. Pale greenish-gray print wrap, title on cover with price. 22.6 x 14.8 cm(8 7/8 x 5 7/8 in). Cut f 1.25. JSL.

Cont: admin note inside front cover; front; tp; fwd; tab cont; part 1; notes; part 2; notes; blank p; pls; other publs inside back cover.

Descriptions and illustrations of bone, horn, and tortoiseshell objects carved by the natives of various tribal communities in the Dutch East Indies, p 7-35, Pls II-XVI. The remainder of the work is on plaited or woven stuffs and objects. Many examples are shown on very good quality photographs.

4018. LOEHR, MAX JOHANNES JOSEPH(1903-)

Early Chinese Jades | A Loan Exhibition Presented By The | Museum Of Art, University Of Michigan, | Alumni Memorial Hall, Ann Arbor | March 22 Through April 22, 1953 [above: photo of a greenish-gray pi disk with title in white lett against grayish-green ground; wrap title only]

Centerstapled: [36], [4 blank]p, includes wrap; 10 photos. White, glossy wrap, front title. 22.9 x 15.2 cm(9 x 6 in). Cut. LC 53-62752.

Cont: cover title; fwd; introd; lenders; catalog; refs; photos; 2 blank f(includes back wrap cover).

Describes 144 objects with material, size, names of lenders, and references. Jades include disks, kuei, blades, axe heads, ko, ts'ung, and some in the round sculptures. G M Born, 218-9; Yang, 1646.

4019. -----1971 Lecture on Chinese jades [in the] Brundage collection. [San Francisco, 1971]. 23 p. Delivered in the De Young Museum, Feb 1971. Not seen, from G M Born, 219.

4020. LOEHR, MAX & HUBER, LOUISA G FITZGERALD

Ancient | Chinese | Jades | from the | Grenville L.Winthrop Collection | in the | Fogg Art Museum, Harvard University | Max Loehr | assisted by | Louisa G.Fitzgerald Huber | Fogg Art Museum, Harvard University | Cambridge, Massachusetts | MCMLXXV [title in dk brownish-red & black]

Sewn, but gatherings in 4's, 6's, and 8's: v, [1 blank], 439, [3 blank]p; 19 col photos(includes front); 588 b&w photos; 15 figs. Maroon cloth, gilt title on cover & spine; pale gray endp. 28 x 24.3 cm(11 x 9 1/2 in). Cut. LC 74-276-51 [sic]. JSL. 2,000 copies.

Cont: 1/2tp; front; tp; publ data; tab cont; fwd; ackn; introd; note; cat; biblio(p 434-7, 10 abbrev & 160 entries); index; 3 blank p.

Elaborate descriptive catalog of the Grenville Lindall Winthrop(1864-1943) collection of 630 pieces bequeathed to the museum in 1943; it may be "perhaps the finest collection of its kind in the world." Exhibited from Jan 22 to Mar 18, 1975. The introduction provides valuable comments on the problem of dating Chinese jades and past attempts to assign dates according to stylistic clues. Recent excavations in China have increased dating accuracy. Also discussed are jade object types, methods of working jade, noting particularly the evidence of early use of rotating blades for sectioning and smoothing jade, and inscriptions that rarely are found upon archaic jades. There is a chapter on the emergence & decline in use of the curled or spiral ornamentation of early (Eastern Chou) jades. The catalog divides the jades into neolithic, Shang and Western Chou, Western Chou, Eastern Chou, Late Eastern Chou, Han, and jades of uncertain date as well as some thought to be forgeries. Catalog entries are very complete and with excellent photos, and careful mineralogical identifications, some performed by Prof Emer C S Hurlbut, Jr of Harvard. The enormous variety and chronological range of the objects, plus the scholarly and scientific approaches to their identification and interpretation make this catalog one of the most important jade monographs to appear in many years. Its value as a permanent reference is assured. Summary, G M Born, 218; Yang 1651. Rev *Oriental Art*, London ns, 21, 4, 1976, 371-6.

4021. LOEW, HERMANN Über den Bernstein und die Bernstein Fauna. *Programm der königlichen Realschule zu Meseritz*, 1850, Berlin, 1850, 4°; p 1-44. Not seen, from Scudder, *Bibliogr Fossil Insects*, p 93, "pp, 28-44 are occupied by

a general systematic review of the amber Diptera... more than 10,000 specimens were examined by Loew, and about 575 species indicated." See also G R v Bock, 177.

4022. -----1864 On the Diptera or two-winged insects of the amber-fauna. (Ueber die Diptern-Fauna des Bernsteins): a lecture by Director Loew, at a meeting of the German Naturalists in Koenigsberg, in 1861. [Transl by Baron Osten Sacken]. *Amer J Sci*, ser 2, 37, 111, 1864, 305-24. JSL.

LOFTIE, WILLIAM JOHN(1839-1911)

Irish archeol; b Tandraghee, Armagh; BA Trinity Coll, Dublin 1862; took holy orders 1865; in London most of life, devoting himself to study of archeology, amassing fine coll of scarabs during numerous winter vacations in Egypt; prolific writer on popular as well as archeol subjects. DNB 2758.

4023. -----1884

An Essay | Of Scarabs | By W.J.Loftie, | B.A., F.S.A., Author of "A History of London;" | together with the Catalogue of a private | collection of ancient Egyptian amu- | lets of various kinds bearing | the names of kings. | [orn] | London: Field & Tuer, Y^e^ Leadenhalle Presse, E.C. | [rule] | Simpkin, Marshall & Co., Stationer's Hall Court. | Hamilton, Adams & Co., Paternoster Row. | New York: Scribner & Walford. [1884]

No date is given, but Allibone, *Dict Authors, Suppl*, 2, 1013, cites a contemporary review and thus gives the date shown.

8°: xxxii, 62, [1 blank], [2], [1 blank]p; logo p [iv]; ca 200 small drawings of scarabs. Full vellum, gold title, rule & cartouche on cover; gold title, rule back cover. 18.9 x 14.3 cm(7 1/2 x 5 5/8 in). Teg, fe untrimmed. On thick, rough-surfaced paper, hand-laid, watermarked. P [ii]: "only one hundred and twenty-five copies printed, of which this is No. [35]" LC 10-30232, giving date of [1884]. JSL.

Cont: 1/2tp; limited edit note; tp; print logo; essay; catalog; blank p; title to publ bk list; bk list; blank p.

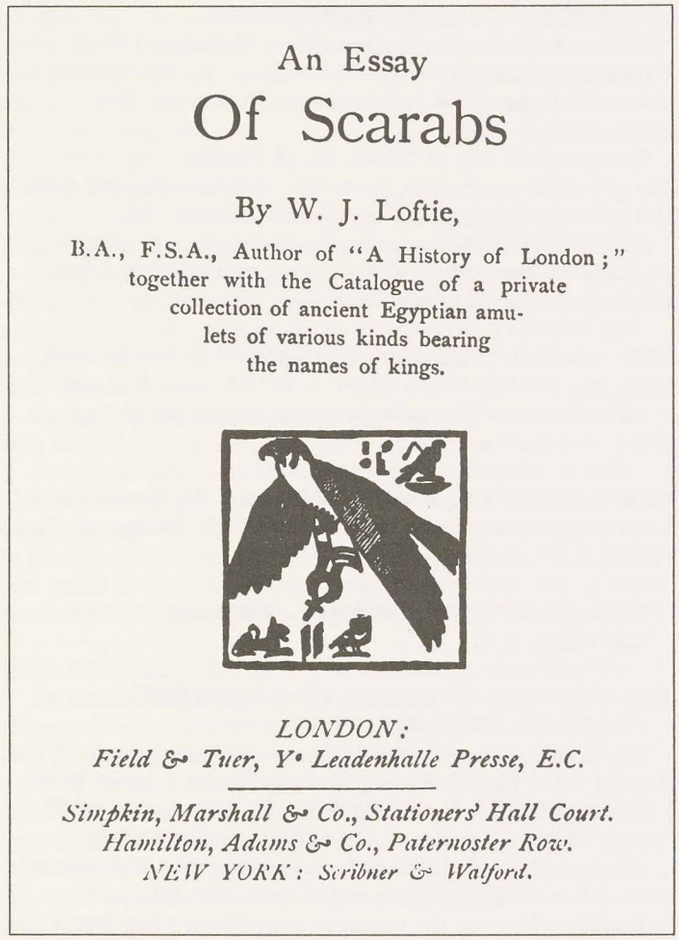
This remarkable book begins with a fine sketch of the history, meaning, and uses of scarabs, and is followed by the detailed catalog in which 192 specimens are described & depicted by means of small drawings inset in the text. The arrangement is by dynasty, beginning with the First and ending with an example from the Thirty-third, then followed by a number of miscellaneous specimens. Attractively designed. Allibone, ibid, "it describes Mr. Loftie's own collection... perhaps the finest private collection of historical scarabei in the world.-*Acad*. XXV.210."

4024. -----1902(?)

The | Coronation Book | Of | Edward VII. | King Of All The Britains | And | Emperor Of India. | By W.J.Loftie, B.A., F.S.A. | [foregoing enclosed in elaborate gilt frame; below appears:] Cassell & Company, Ltd. London, Paris, New York & Melbourne [nd, ca 1902; title in magenta & black]

8°: 4p + iv p + p 5-188; col front pl with tissue tip-in; 23 col ills on 23 bound-in glossy f; several hundred text figs in b&w and col; many ch orns & marginal orns. Dk blue, ribbed cloth, elaborate gold title & arms on cover & spine; blind monogram back cover; ae pink-spattered. 28.3 x 20.4 cm (11 1/8 x 8 in). Cut. Some col pls in text with tissues. JSL.

Cont: front; tp; arms; introd; tab cont; col pls list; ill list; 9 chs; index.



4023. "Only one hundred and twenty-five copies printed...," describing 192 specimens in Loftie's collection, with figures

Issued to celebrate the crowning of King Edward VII(1841-1910) in August 1902; it contains much original artwork specially created for the occasion, not to mention the elaborate decoration of the book itself. The first chapter treats crowns and thrones generally, followed by a chapter on the regalia, and others on ceremonies.

4025. LOFTIS BROTHERS & COMPANY

Historic Diamonds [vignette to right, an Arab's face] | [cut diamond] | Compliments | Loftis Bros. & Co., | Diamond Cutters | Chicago [1917]

Title & decorations, in raised gold, on wrap cover only.

Centerstapled: 48 p; 12 ill + advert ill. Stiff red wrap, cover title, note & publ data inside front cover; tab cont inside back cover; award note with gold medal on back cover & raised in gold. 15.2 x 11.5 cm(6 x 4 1/2 in). Wraps overlap text. USGS Kunz Coll, GS 34-929.

Cont: "Here Be Diamonds;" diamonds of South Africa; diamonds of the Orient; other diamonds; notes on cutting; advert(p 34-48). Brief descriptive, historical notes on famous diamonds as emanating from the countries mentioned, the best known illustrated by the figures.

4026. LOGIE, HUGH JOHN(1919-1958)

Diamonds | Inaugural Lecture | by | H.J.Logie | Professor of Experimental Physics at the University of the Witwatersrand | Delivered 21 May 1958 | Witwatersrand University Press | Johannesburg | 1958

Centerstapled: [1], [1 blank], 32, [2 blank]p; 7 fig; 1 tab. Pale gray thick paper wrap, green title on cover with univ arms. 21.3 x 14 cm(8 3/8 x 5 1/2 in). Cut. LC 63-245; JSL.

After some historical remarks, Logie describes the physical properties of diamond, its atomic structure, electron configuration, imperfections, electrical behavior.

4027. -----1961 Diamonds. *Ann Rpt Smithson Inst for 1960*, Wash, DC, 1961(Publ No 4445), p 357-83, same ill as above; also issued separately in pale green wrap, cover title & logo, 22.9 x 14.9 cm(9 x 5 7/8 in). Cut. JSL.

4028. LOHMEYER, KARL Ist Preussen das Bernsteinland der Alten gewesen? *Altpreussische Monatsschrift*, Königsberg, 9, 1872, p 1-17. Not seen.

LONDESBOROUGH, Catalogue... Rings, see CROKER, T C

4029. LONDON CHAMBER OF COMMERCE. DIAMOND...SECTION.

The London Chamber Of Commerce | (Incorporated) | [logo] | Some Facts | About | Precious Stones | Issued by the | Diamond, Pearl & Precious | Stone Trade Section. | 69-73, Cannon Street, | London. E.C.4 [1953; wrap title only]

Centerstapled: 15, [1]p; stiff, cream wrap, title in double-rule frame on cover. 22.8 x 15.4 cm(9 x 6 in). Cut. JSL.

Issued to "clear up the uncertain atmosphere which has been created by the propaganda of those who wish to establish their products as genuine articles," here referring to the passing of synthetic & imitation gems as natural. The pamphlet directs attention to their Laboratory in Hatton Garden, and urges tradesmen and others to take advantage of its identification facilities, then goes on to describe some gemstones, their origins, and how imitations, substitutes, or synthetics resembling them may be detected,

4030. LONDRES, ALBERT(d 1932)

Albert Londres | [rule] | Pêcheurs | De Perles | [rule] | [orn] | Albin Michel, Éditeur | 22, Rue Huyghens · Paris (14e) [1931]

P[41: "Il a été de cet ouvrage: 13 exemplaires sur vergé pur fil Vincent Montgolfier... 17... sur vergé pur fil Vincent Montgolfier nominatifs. Hors commerce."

8°: 250, [6]p; sketch map Arabian seas; 28 photos on 16 glossy f bound-in. Bright yellow wrap, dk blue title on cover in frame; other publ bks back cover. 18 x 11.3 cm(7 x 4 1/2 in). Cropped. LC 31-25788.

Cont: 1/2tp; other author bks; tp; publ data; text; tab cont; print note.

The author visited many Arabian ports and pearling grounds in the Persian Gulf, Indian Ocean, Gulf of Aden, and the Red Sea, and herein describes his travels and adventures in an interesting narrative with much injected on the natives, customs, important persons met along the way, and other topics in addition to the considerable material devoted to pearls, pearling, and commerce in pearls.

4031. LONG, FRANK W

The | creative | lapidary | Materials | Tools | Techniques | Design | Frank W.Long | [logo] Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [1976]

8°: 136 p; 24 col photos; 209 other ill(photos & drawings). Black cloth- like paper over bds, gilt spine, col dj (col photo on cover, 7 col photos on back, resume, vita, author portr. 23.4 x 21.1 cm(9 1/4 x 8 1/4 in). Cut. $13.50. LC 76-21357; ISBN 0-442-24887-3. JSL.

Cont: tp; publ data & credits; ackn; tab cont; pref; 6 chs; 3 appends; gloss; biblio(p 133-4, 56 entries); index.

Claiming that the lapidary craft is "artistically dead"(p 6), Long then states that this book will both improve matters and allow amateurs to better exploit their craft artistically. However, the text begins with a chapter devoted to the raw materials in which he injudiciously and inadequately discusses crystallography and gem identification, and then goes on in the next 3 chapters to describe standard lapidary equipment and accessories, but offering little that has not been covered thoroughly in other lapidary books. Faceting work is ignored. The 5th chapter, on applications, is the most interesting and useful because of its suggestions on designs and making objects that differ from standard projects. A chapter on design closes the text but is too short to be of much value. Appendices: table of gemstone properties, tables of speeds & formulas, supplier list. The glossary, as usual, is unnecessary. The bibliography lists books in a number of related fields but, curiously, not one good book on gemology is included. Attractively designed & illustrated. Rev *Gems*, 11, 1, 1979, 47.

4032. -----1982

Lapidary Carving | [double rule] | Design and Technique | [double-rule] | [photo: jade carving] | Frank W.Long | [double-rule] | [logo] Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [1982]

Cementb: ix, [1 blank], 132, [2 blank]p; 153 photos & line drawings. Bright green cloth-type paper over bds; gilt spine title. Col dj & drawings on cover; spine title; other publ bks back cover; flap resume, vita. 23.5 x 21 cm(9 1/4 x 8 1/4 in). Cut. LC 82-1887; ISBN 0-442-24882-2. $24.95. JSL.

Cont: 1/2tp; tp; publ data & dedic; tab cont; pref & ackn; 5 chs; 3 appends; biblio(p 127, 48 entries); index; blank f.

Undoubtedly the best work so far published on carving gem materials, notable both for its large quantity of practical advice based on the author's considerable experience and for the very helpful, precise and detailed instructions for making equipment, tools, and accessories which often cannot be purchased. The first chapter is historical and describes the various classes of work and the tools and techniques that were needed to create them before modern tools became available. The second chapter is on materials which are classified according to their hardness and relative working difficulty. The third chapter, a most valuable one, describes the tools and equipment and with drawings and clear explanations, tells how they may be made. The fourth chapter treats methods and techniques, ranging from the preparation of flat surfaces to full-round carvings, containers, and other

DE ANVLIS
SIGNATORIIS
ANTIQVORVM
SIVE
De vario obſignandi ritu
Tractatus.
AVTHORE GEORGIO LONGO
Sacerdote Doctore, & Ambroſianæ
Bibliothecæ.
Cuſtode Primo.
CVM PRIVILEGIO.

MEDIOLANI,

Apud her. quon. Pacifici Pontij, & Ioannem
Baptiſtam Piccaleum M. D. CXV.

4036. The first major work on signet rings

complex projects. The last chapter is on principles of design. Appendices: speed tables, suppliers, polishing agents, specific treatments by specific agents. The bibliography is meager and contains errors.

LONG, J S, see OSTERSTOCK, F W, et al

4033. LONG, ROBERT & STEELE, NORMAN

Volume 1 | Facet Design | Ovals | By | Robert Long & Norman Steele [Mercer Island, Washington: Seattle Facet Books, 1979; cover is titlep]

Looseleaf-binder sheets, 3-holes, left margin, 11 x 8 1/2 inches, approx 65 p, many drawings, diagrams, tables. $7.50. JSL.

Others in this series: Vol 2, Navette/Marquise, 1980; Vol 3, Heart & Pear, 1980; Vol 4, Cut Corner Rectangle, 1980(?). JSL.

Authors employ a mathematical approach to their designs, with step-by-step instructions for many designs, followed by a discussion of the mathematical principles involved.

4034. LONG DAYUAN, et al Guyu tupu [illustrations of ancient jades]. No place, 1779, 12 vols, 100 chs, many woodblock ill, 30 x 18 cm, stitched. Not seen: from Han-Shan Tang, London, List 28, no 53, 1985. "Compiled by imperial order in 1176, this work has been condemned as a false book. In spite of that, the significance... lies in its content of gem-mounted vessels, and it is very useful for the study of such vessels." G M Born, 18; Yang 906.

4035. LONG SANG TI

Chinese Jade | Why Called "Lucky Stone" | [orn] | Long Sang Ti | Chinese Curios Co., Inc. | New York City [1926]

8°: 47 p; 23 fig(mostly photos). Pale green paper over bds, striped vertically in darker green, with green lett & medallion on cover. Translucent paper dj. Endp in full col of a Chinese landscape painting. 17.8 x 12.6 (7 x 5 in). Cut. LC CA 27-276. JSL.

Cont: tp; publ data; discovery of jade; publ note; dynasties; text; advert; blank p.

Handsome promotional booklet; succinct chapters on jade history, jade cutting, lore of other gemstones, birthstones list, advertisements for company wares other than jade. In addition to photographs of jades, there are three good views of a Chinese jade carver at work at the traditional foot-powered carving lathe. Summary G M Born, 220-1.

4036. LONGHI, GIORGIO, or LONGUS, GEORGIUS

De Anvlis | Signatoriis | Antiqvorvm | Sive | De vario obsignandi ritu | Tractatus. | Avthore Georgio Longo | Sacerdote Doctore, & Ambrosianae | Bibliothecae. | Custode Primo. | Cvm Privilegio. | [woodcut logo] | Mediolani, | [rule] | Apud her.quon. Pacifici Pontij, & Ioannem | Baptistam Piccaleum M.D.CXV. [Milan, 1615]

8°: 16, 139, [1], [4 blank]p; †^{8}, A-I^{8}. Woodcut of 3 rings p 46; small woodcut symbol p 42; ch orns, inits. 15.6 x 10.8 cm(6 1/8 x 4 1/4 in). JSL.

Cont: tp; imprimatur; laud ltrs & epigrams; index of cited authors; tab cont; 11 chs; imprimatur; index; errata; 2 blank f.

One of earliest monographs on finger-rings, especially treating the history, development, uses, and significance of rings as used for official purposes or as seals, with appropriate remarks from earlier authors inserted in the text. Mariette, *Traité pierres gravées*, 1, 254, notes Longhi's "excellent observations." This treatise, along with others by Gorlaeus and Kornmann, was reprinted in Kirchmann, *De annulis*, 1672, which see.

4037. -----1709

Georgii Longi, | quondam | Sacerdotis, Doctoris & Ambrosianae | Bibliothecae, quae est Mediolani, | Custodis Primarii | De Annvlis | Signatoriis | Antiqvorvm, | Sive | De vario obsignandi ritu | Tractatvs | nunc primum in hisce terris recusus | curante | M.Christiano Friderico Ruheo, | Arnstadiensi. | [engrav monogram] | Francofvrti Et Lipsiae, | [rule] | Litteris Bachmannianis. | A.O.R. CI I CCVIIII. [1709]

8°: [14], 121, [3]p;)(7, A-I^{8}. Orn inits. 15.8 x 9.8 cm(8 1/4 x 3 7/8 in). Cut. USGS Kunz Coll, GS 33-262.

Cont: tp; dedic; dedic of previous edit; lauds; tab cont; 11 chs; index of authors cited; subject index.

4038. LONICER, ADAM(1528-1586) Kreuterbuch, Kunstliche Conterfeytunge der Baüme, etc, Ulm, 1697. The best known work of the celebrated German naturalist, zoologist, and physician, born Marburg, studying medicine in Frankfurt and Freiburg, and mathematics at Marburg. During 1544 to 1576

he was appointed city physician in Frankfurt. DSB 8, 483-4. His famous herbal, of large size, 253 leaves, was splendidly illustrated by quaint woodcuts which are classics of their kind and frequently reproduced even today. There are no less 631 altogether, including several that deal with gemstones. In this regard, only pages 720-31 deal directly with gemstones and some others classed with them at the time, numbering several dozen in all, and some that were deemed to possess magical or medicinal virtues but not clearly indentifiable. This chapter is preceded by a famous woodcut showing a lapidary cutting a gem and with preliminary remarks on what agents were used for polishing certain gemstones. A handsome facsimile edition, bound in pigskin, was issued in Leipzig in 1934; another facsimile was published in Munich in 1962.

4039. LONSDALE, KATHLEEN; MILLEDGE, H JUDITH & NAVE, ERIC X-ray studies of synthetic diamonds. *Min Mag*, 32, 246, 1959, 185-201, 4 fig, Pls IX-X. JSL. Investigates synthetic diamonds made by General Electric Company and Allmänna Svenska Elektriska Aktiebolaget(ASEA): inclusions of certain metals are characteristic, and, incidentally, an examination of a single crystal from the lot of Hannay synthetic "diamonds" suggests that the latter is indeed a natural diamond. *Min Abstr*, 14, 6, 1960, 407.

LONSDALE, K, see BANNISTER, F A

4040. LOO, CH'ING-TSAI(1880-1957) Jades archaïques de Chine appartenant á M.C.T. Loo. Paris et Bruxelles, Librairie Nationale d'Art et d'Histoire, 1925. 120 p; ill. Not seen: from C Denham, 1945, 120.

4041. LOO, C T, & COMPANY

Exhibition | Of | Chinese Arts | [Chinese characters] | C.T.Loo & Co. | 41 East 57th Street 595 Madison Avenue | New York | Special Sale | November 1, 1941 to April 30, 1942 [1941]

8°: [82]f; 976 items depicted on rectos of [79]f in photos, Dk red, thick paper wrap, cover title. 28 x 21.3 cm(11 x 8 3/8 in). Cut. LC 42-2976.

Cont: tp; print data; introd; pref; catalog; blank p.

Offers many types of Chinese art but jades and some hardstone carvings comprise nos 222-408, with illustrations on 13 of the plates. Summary G M Born, 220.

4042. -----1950

An Exhibition Of | Chinese | Archaic Jades | [Chinese character] | C.T. Loo, Inc. | 41 East 57th Street, New York | Arranged for | Norton Gallery Of Art | West Palm Beach, Florida | January 20 to March 1 | 1950 [priv publ]

8°: [128]p; 60 fullp photo pls on rectos, expls versos, from p[8] onward. Pale grayish-blue textured paper over bds, pale tan cloth spine, gold lett & dragon on cover; gold lett spine. V pale greenish-yellow endp. 28 x 21.7 cm(11 x 8 1/2 in). Cut. Translucent, glazed tissue dj. JSL.

Cont: tp; pref; introd; pls explans & pls; biblio; printer.

The brief preface by C T Loo provides some interesting remarks on jade collecting by some well-known connoisseurs and is followed by an introduction by Lindsay Hughes Cooper which is in the nature of an appreciation of jades. The many good to fine photographs are preceded by short descriptions of the pieces, with dimensions. A handsome catalog that is frequently cited in later works on Chinese carved jades. Summary, G M Born, 219-20.

LOPEZ-COZAR, J N, see LENZEN, G, 1976

4043. LORD, W E Diamonds and gold. 1875. Copied from the catalogue of Messrs. Fairbridge and Noble, but unknown to me [Theal]. Not seen: from Theal, 180.

LORD, WILLIAM BARRY, see L, W B

4044. LORENZ, M Die okkulte Bedeutung der Edelsteine. Leipzig: M.Altmann, 1915. Not seen: Budge, *Amulets & Superstitions*, 306(footnote) considers it one of the "best" authorities on mystical properties of gemstones; Willemse, *De Edelsteenen*, 1935, gives date as 1922, 8°, 112 p (2nd(?) edit),

4045. LORINSER, GUSTAV

Die | Marmaroscher Diamanten. | [rule] | Von | Med.Dr.Gustav Lorinser, | Professor der Naturwissenschaften am k.k. Staatsgymnasium zu Pressburg. | [orn rule] | Pressburg [Bratislava], 1856. | [rule] | Druck von Carl Friedrich Wigand.

4°: [2], VII p. 27.4 x 21 cm(10 3/4 x 8 1/4 in). Cut. JSL.

On the "Marmarosch diamonds" or exceptionally clear and sharp rock crystals found near Nagyag, Hungary, with remarks on similar crystals from elsewhere, descriptions of typical specimens and occurrence, the collecting & marketing of same, and with an anecdote on a famous large "diamond" that belonged to Dr Gottfried Christoph Beireis of Helmstädt which was examined by Goethe but doubted by him to be a true diamond.

LORUSSO, J, see GLICK, J

LOTHROP, SAMUEL KIRKLAND (1892-1965), et al

USA archeol; b Milton, Mass; grad Harvard U 1915, PhD 1921; to staff, Mus Amer Indian, Heye Foundation, NYC, 1924-30; thereafter mostly working with Harvard's Peabody Mus; active in field, conducted many important excavations Indian sites Central America, Mexico. Obit D Easby, Jr, *Amer Antiquity*, 31, 1965, 256-61; biogr G R Willey, *Nat Acad Sci Biogr Mem* 48, 1976, 253-72, with portr.

4046. -----1937

Memoirs | Of The | Peabody Museum Of Archaeology And Ethnology | Harvard University | Vol. VII | [rule] | Coclé | An Archaeological Study of Central Panama | Part I | Historical Background | Excavations At The Sitio Conte | Artifacts And Orenaments | By | Samuel Kirkland Lothrop | In Collaboration With | H.B.Roberts, | M.Hutchinson, F.Johnson, W.C.Root, | R.J.Gettens, And V.G.Mooradian | With Two Hundred And Seventy-One Text Figures | And Four Plates | Cambridge | Published By The Museum | 1937

8°: xvii, [1 blank], 327, [1 blank]p, with a blank f supplied at each end. Col glossy front pls tip-in + 3 others in col, tipped-in; 271 fig(photos, drawings, with Fig 215 & 249 on glossy f, fold, tipped-in); 29 tabs. Pale gray wrap, title on cover. 25.6 x 28 cm(14 x 11 in). Cut. $10.00; also in cloth @ $14.90(not seen). JSL.

Cont: blank f supplied; front; tp; publ data; fwd; pref; tab cont; tab list; ill lists; blank p; introd; text; general commentary; appends; refs(321-7, ca 210 entries); blank p; blank f supplied.

Coclé region, ca 115 km(70 mi) WSW Panama City. Large variety artifacts found: jewelry, ornaments, figurines,

implements, and others made from stone and gemstones, including emerald. The frontispiece shows several rudely-shaped stones of emerald, one set in a gold pendant, while two other color plates depict objects made from serpentine, opal, and agate. Dry, factual presentation, with most interest to gemologist in discussions of stone and lapidary work, p 65, jewelry and its manufacture, and on 133-92, an excellent short treatise on emerald and its specimens found in the excavations(esp 186-91). A large, handsomely illustrated work. According to Willey, "his two volumes on the Coclé culture [only Vol I here examined]... published in 1937 and 1942, are masterpieces of archaeological description and presentation," and further, "he was always extraordinarily careful with his illustrative material - both photographic and line and stipple drawings."

4047. LOTHROP, SAMUEL KIRKLAND; FOSHAG, WILLIAM FREDERICK(1894-1856) & MAHLER, JOY

Robert Woods Bliss | Collection | Pre-Columbian Art | Text And Critical Analyses By | S.K.Lothrop | W.F.Foshag | Joy Mahler | [orn] | With 270 Illustrations | [rule] | Phaidon Publishers Inc | Distributed By Garden Books | New York · MCMLVII [1957; title in dk sepia & black]

8°: 285, [1]p, includes pls, the latter bound in 4°; front col pl tip-on; 31 text fig + 1 sketch + 170 col & 75 b&w photos; altogether CLXII pls on 80 glossy f; Pls XXV-XXVI are double and fold inward; Pl LXXXI cut-out & tipped-on; 25 sketch maps. Pale brownish-red cloth, ornate Indian gold motif spread over front cover with horizontal rule and short title below; gold lett & rules spine. Back endp with map of Mex & Central Amer. Transp, thick colorless plastic dj, plain. Col card slipcase with large col photo on front. 33.2 x 23.5 cm(13 x 9 1/4 in), Cut. Te stained. $25.00. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; pref; ackn; introd; text; pls; catalog; maps.

This splendidly illustrated and authoritative work is fundamentally the annotated catalog of the Robert Woods Bliss collection placed on exhibit-loan in the National Gallery of Art, Wash, DC, from 1947 onwards. It is introduced by articles as follows: "Cultures and styles," and "New World metallurgy," by Lothrop, "Mineralogical attributions," by Foshag, and "Textiles," by Mahler. The collection includes terra cottas, gold objects, fabrics, and stone sculptures, especially a large number of outstanding jadeite carvings, many illustrated in the excellent photographs which form so valuable a feature of this book. Foshag's article deals mainly with jades, that is, jadeite, diopside-jadeite, chloromelanite, and nephrite, but also discusses turquoise, obsidian, emerald, prehnite, soapstone, rock crystal, onyx marble, and several types of compact rock. In preparation for this work, Foshag(pers comm 1955-6), commenced his detailed mineralogical studies on Central American stone artifacts and here provides a valuable contribution to same. A popular guide: "Indigenous art of the Americas, Collection of Robert Woods Bliss," by the Gallery, 1947, 159 p, many photos(col), and fold sketch map, was sold by the Gallery(see BLISS, R W).

4048. -----1957; London, Phaidon Press Ltd, not seen.

4049. -----1958(?), Ger edit

Altamerikanische Kunst | Die Sammlung Robert Woods Bliss | 288 Abbildungen mit einführendem und erläuterndem Text | herausgegeben von S.K. Lothrop | unter Mitarbeit von W.F.Foshag und Joy Mahler | Von Nickolas Muray stammen die Photographien | der Kunstgegenstände aus der Sammlung R.W.B.

P [2]: "Walter-Verlag Olten und Freiburg im Breisgau," no date, ca 1958; P [4]: "Aus dem Englischen übertragen von Marianne Ninck."

2°: 91, [1 blank]p; former front col pl now tip-on to p [8]; altogether 288 b&w & col ills, all on glossy f, bound-in, but now also including the photos originally in text; doublep map formerly on back endp now redrawn and appears on p[86-7]; the remaining sketch map, also redrawn, on p 88. Tan, unfin cloth, brownish-red textile pattern border along top of front cover; brownish-red lett spine. Col dj, resume, rev. P size same. JSL.

Cont: 1/2tp; publ data; tp; publ data; tab cont; fwd; introd; text; ill list & explans; maps; coordination nos; blank p. There is some recasting of text.

4050. LOTHROP, SAMUEL KIRKLAND, et al

Essays in | Pre-Columbian Art | and Archaeology | by Samuel K.Lothrop and others | Harvard University Press | Cambridge, Massachusetts | 1961

8°: [11], 507 p; 229 fig(includes 1 col fig on a glossy f tip-in). Sepia unfin cloth, black spine lett. Yellow dj, brown designed, brown & black lett, resume, Lothrop vita. 23.4 x 15.7 cm(9 1/4 x 6 1/8 in). Cut. $11.00. LC 61-18531. JSL.

Cont: 1/2tp; tp; publ data; pref; ackn; list of authors; tab cont; text; biblios(449-483); notes(485-507); blank p.

Of the 27 essays in all, the following are of particular interest, especially to the student of Pre-Columbian jades: M W Stirling, "The Olmecs, artists in jade," 43-59, 10 photos; Elizabeth K Easby, "The Squier jades from Toniná, Chiapas," 60-80, 10 photos & drawings; and Carlos Balser, "Some Costa Rican jade motifs," 210-17, 3 photos. Most of the photos show more than one object, some as many as eight. Stirling's article is valuable because of its discussions of styles of carving, raw materials, and techniques of the lapidary. Easby's article essentially republishes a series of famous jade carvings in the American Museum of Natural History in New York City, originally collected by Ephraim George Squier(1821-1888), and described by him, along with engraved plates in his "Observations on a collection of chalchihuitls from Mexico and Central America," *Lyceum of Nat Hist of NY, Annals*, 9, 1870, 246-65. Easby attempts to fix the exact site of the discovery and the dates of the jades, and provides descriptions of the carvings. The photographs are the first to appear in print for these pieces. Balser's article discusses the curious forms of the small figurines which appear to be typical of Pre-Columbian Costa Rican cultures and the possible influence of other cultures upon them. Reprinted, identical, 1964, with that date on tp.

4051. LOTZ, HEINRICH(1884-); BÖHM, J & WEISFERMEL, W

Geologische und paläontologische Beiträge | zur Kenntnis der | Lüderitzbuchter Diamantablagerungen | von | H.Lotz, J.Böhm und W.Weisfermel. | [rule] | Mit 14 Tafeln und 10 Textfiguren. | [rule] | Herausgegeben | von der | Geologischen Zentralstelle für die Deutschen Schutzgebiete.| [rule] | Berlin. | Im Vertrieb bei der königlichen Geologischen Landesanstalt. | Berlin N.4, Invalidenstrasse 44. | 1913. [cover title only]

8°: [1], [1 blank], 57, [1]p; 4 fig; Pls I-VII (appended to text, bound-in, each on a fold-out stub). Print wrap. 25.9 x 17.9 cm(10 1/8 x 7 in). Cut. GS 15-345. JSL. PJ Hugo et al, no 1900.

Cont: text tp; introd; ref(annot, p 3-13); text; summary; tab cont; pls; ref to Pl VIII on back cover.

Geology of the diamondiferous alluvial deposits along the coast of Lüderitz Bay, German South West Africa: age, formation, possible sources of the diamonds. Text sketch maps and excellent photos of views along the coast and of alluvial deposits sampled for diamonds. See also H.Lotz, "Ueber die Diamant-Ablagerungen bei Lüderitzbucht," *Monatsberichte dt Geol Ges*, 1909, 135-46, map. Lotz also revised the article "Diamant," (orig by R Scheibe), in Dammer & Tietze, *Die nutzbaren Mineralien*, 2nd edit, 1927-8, which see.

LOUDERBACK, GEORGE DAVIS(1874-1957) & BLASDALE WALTER C

G D L USA geol & mineralogist; b San Francisco; AB U Cal Berkeley 1896; PhD 1899; LLD 1946; asst prof mineralogy U Cal 1897-1909, prof geol & min U Nev 1900-06; faculty U Cal 1906-, prof 1917-44, emeritus 1944-; conducted geol explor in China; studied basin & range prov West USA. Mem Amer Min 43, 1958, 297; *Geol Soc Amer Proc* 1960, 137-42, portr. W C Blasdale, Pogg 6, 239.

4052. -----1909 Benitoite, its paragenesis and mode of occurrence. By George Davis Louderback. With chemical analyses by Walter C Blasdale. *U Cal Publs, Bull Dept Geol*, vol 5, no 23, 1909, 331-80, Pls 27-39, Berkeley, 1909. Issued separately, 8°: thick printed paper wrap, almost invariably crumbling with decay, cover title, other publs on other surfaces. Pls 27-39, tip-ins, and include a map, 9 photos (one in col) and 3 plates of crystal drawings. 26.5 x 18.2 cm(10 1/2 x 7 1/8 in). Uncut. $.75, JSL. A 12-570.

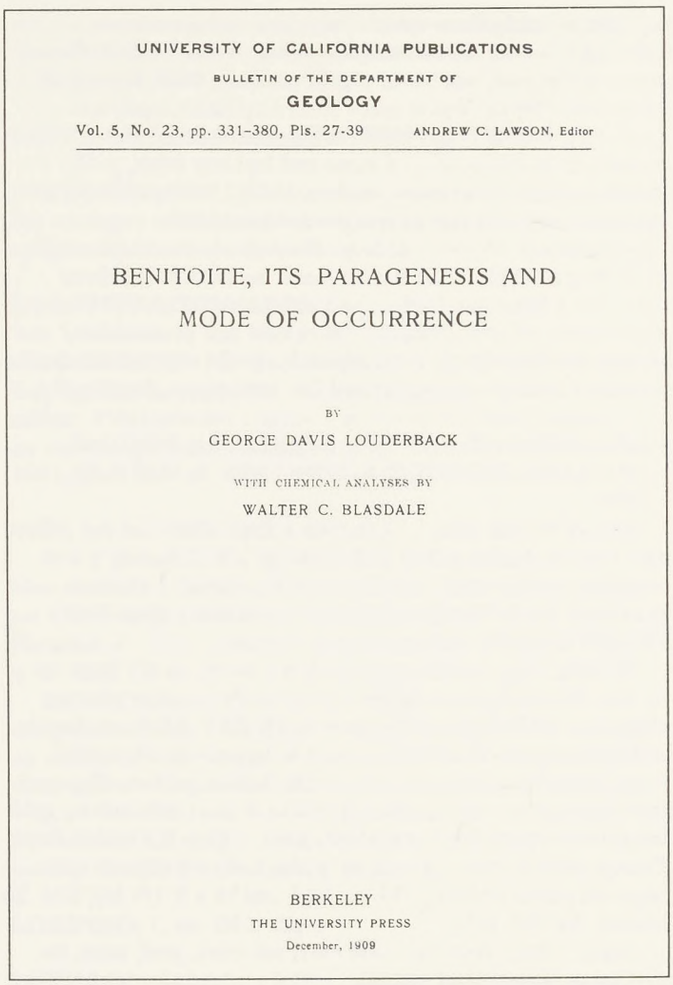
This remains the only comprehensive study of this beautiful gem mineral, the deposit from which it came, and its associated minerals. Treats geography, local geology, petrography, mineralogy, descriptions of benitoite and its crystallography, suggested paragenesis, recent papers on benitoite, and with notes on the deposit and its exploitation. The illustrations are a useful sketch map of the region, a photograph of the site, others of the mine workings, and photographs of specimens, with one in color. Recent analysis of benitoite: J Laird & A L Albee, *Amer Min*, 57, 1972, 85-102.

4053. -----1985, reprint

University Of California Publications | Bulletin Of The Department Of | Geology | Benitoite, A New California Gem | Mineral | and | Benitoite, Its Paragenesis And | Mode Of Occurrence | By | George Davis Louderback | With Chemical Analyses By | Walter C.Blasdale | A Facsimile Reprint | By | The Gemmary [logo, a cut gem, with words centered therein] | P.O. Box 816 | Redondo Beach, CA 90277 | 1985

Centerstapled: [1], [1 blank]p + p149-53 + [1 blank]p + p 331-80 + [1 blank], [6 explanation & crystal drawings]p + [5 blank]p. 21.5 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. Plates as in original but none colored. Stiff white wrap, title and blue & black outline crystal drawing on cover; inside front cover with facsimile of California Act establishing benitoite as state gemstone. JSL.

The first article was published in *Univ of Calif Publs, Bull of the Dept of Geol*, vol 5, no 9, 1907, p 149-53, merely announcing the discovery, a few mineralogical notes, etc, pending the appearance of the second, much more complete paper described above. Rev *G & G*, 21, 4,1985, 252.



UNIVERSITY OF CALIFORNIA PUBLICATIONS

BULLETIN OF THE DEPARTMENT OF

GEOLOGY

Vol. 5, No. 23, pp. 331–380, Pls. 27-39 ANDREW C. LAWSON, Editor

BENITOITE, ITS PARAGENESIS AND MODE OF OCCURRENCE

BY

GEORGE DAVIS LOUDERBACK

WITH CHEMICAL ANALYSES BY

WALTER C. BLASDALE

BERKELEY

THE UNIVERSITY PRESS

December, 1909

4052. The classic study on the rare gemstone, benitoite, occurring in gem quality only in the San Benito County, California locality

4054. LOW-TAUSSIG-KARPELES COMPANY

Pearl | Facts | And Fancies | Souvenir Panama-Pacific | International Exposition | Nineteen Hundred and Fifteen [Providence, R.I. (?), 1915]

Centerstapled: [24]p; 15 text drawings, etc. Heavy gray wrap, title on cover in raised dk gray lett. 9.7 x 7 cm(3 3/4 x 2 3/4 in). Cut. JSL.

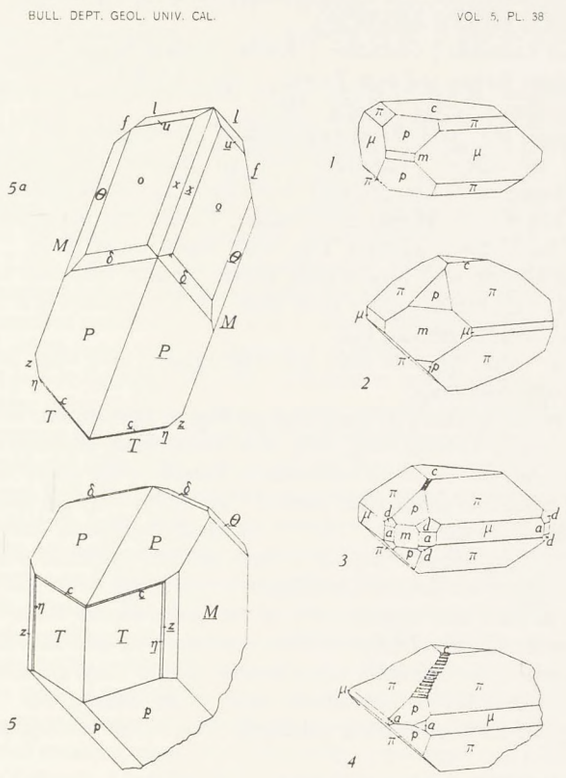
History of pearls, fisheries, natural history, and subtly urging purchase of the company's well-known imitation "La Tausca" pearls.

4055. LOWN, CLARENCE & BOOTH, HENRY

Fossil Resins: | A Compilation. | By | Clarence Lown and Henry Booth. | [rule] | New York: | Published For The Compilers By | N.D.C.Hodges, 47 Lafayette Place. | 1891.

8°: [4], xv, 119 p; 4 pls, one fold. Brown cloth, gold title on spine. 18.6 x 12.6 cm(7 3/8 x 5 in). JSL.

Cont: tp; tab cont; pref; introd; 8 chs; pls.



4052. Louderback's drawings of crystal forms, albite left, benitoite right

The authors' avowed purpose is "an attempt to collect and put together the scattered notices on fossil resins, exclusive of those on amber"(p i). The introduction therefore discusses within the bounds of the relatively meager knowledge assembled by them such resins as Zanzibar copal, North Coast(Africa) resin, Kauri gum, Sierra Leone gum copal, Manila resin, and Demerara resin(from the locust tree, *Hymenaoea courbaril*). Ch 1 contains a discussion of insects in copal by J W Dalman with remarks on related amber inclusion literature. Ch 2 is interesting for its translated & annotated remarks of J F John on copal, taken from his *Naturgeschichte des Succins*, 1816, which see. In Ch 3 are remarks on the Bombay anime resin by Dr M C Cooke from a report on gums and related substances produced in India. Ch 4 contains an extract from the *Geographical Magazine* on the Lufiji River and the copal trade, while Ch 5 gives sources of copal, according to John R Jackson. Both chs 6 & 7 provide more remarks on insects in copal by M Raffray and Rev F W Hope, respectively, and Ch 8, by Fred Welwitsch, describes the distribution of copal in Angola and its origin. The plates depict insects found in fossil resins by Dalman and Hope. This is a rare and almost completely unknown work that contains much of interest to the paleontologist as well as the tradesman and, incidentally, the gemologist.

LUCAS, ALFRED(1867-1945)

Brit chemist; forensic chemist & scientfic criminal investigator in Cairo. Pogg 4, 921.

4056. -----1926

Ancient Egyptian | Materials | By | A.Lucas, O.B.E., F.I.C. | Formerly Director, Chemical Department, Egypt; | Chemist, Department Of Antiquities, Egypt. | Author of "Antiques: their Restoration and | Preservation," "Forensic Chemistry," etc. | London | Edward Arnold & Co. | 1926 | [All rights reserved]

8°: viii, 242 p. Pale gray-blue paper over bds; printed spine label. 19.1 x 13 cm(7 1/2 x 5 1/8 in). Fe & be untrimmed. JSL.

Cont: tp; publ data; pref; tab cont; introd; 12 chs; appends; index.

Unique work: the author set himself the task of scientifically examining and identifying the multitude substances used by ancient Egyptians in many types of ornamental and practical applications. Organic and inorganic substances are included, most are analyzed, where feasible, eg, building materials, ceramics, glass, metals, mummification materials, oils, fats, waxes, pigments, varnish, precious & semi-precious stones, ornamental stones, textiles, leather, dyestuffs, writing materials, and more. Ch 7, 156-70, describes crystalline & cryptocrystalline quartzes, beryl, calcite, feldspar, garnet, hematite, lapis lazuli, pearl, peridot, and turquoise. In Ch 8, 171-92, massive stones used in statuary and small carved objects are described, namely, alabaster, flint, and igneous rocks among others. Where known, sources are given.

4057. -----1934, 2nd edit, rev

Ancient Egyptian | Materials & Industries | By | A.Lucas | O.B.E., F.I.C., F.S.A. | Formerly Director Chemical Department, Egypt | And Chemist Department Of Antiquities, Egypt | Second Edition, Revised | London | Edward Arnold & Co. [1934]

16°: xii, 447, [1 blank]p. Brownish-red unfin cloth, gold spine lett. Dj in similar but paler hue, dec on cover with Egyptian bas-reliefs, black lett, other publ bks, resume. 21.2 x 13.5 cm(8 3/8 x 5 3/8 in). Cut. 16s. JSL.

Cont: 1/2tp; other bks of author; tp; publ data; quot; prefs(2); tab cont; introd; 15 chs; append; index; blank p.

Drastically revised, rearranged: the substances now include beverages, animal products, building materials, cosmetics, perfumes & incense, ceramics & glass, fibers, metals & alloys, mummification materials, oils, fats, waxes, painting materials, pottery & its manufacture, gemstones, other stones, woods & woodworking, and a historical analysis. Ch 12, 335-54, on gemstones, among which now additionally appear coral, amber, malachite, and jade, while horn, ivory, nacre and tortoiseshell are described in Ch 2. Ornamental stones are treated in Ch 13, 355-75. The author notes that "diamond, opal, ruby and sapphire were not known to the ancient Egyptians."

4058. -----1948 3rd edit London: Edward Arnold G Co., ca 1948, 520 p, tabs. Not seen, from *Freer Gallery of Art Occasional Papers*, vol 2, no 2, 1955, p 36, entry no 20, which notes the table of contents and the review given in *Nature*, 162, 1948, 429. DeGolyer Coll, U Okla; LC 49-1654.

4059. -----1962 4th edit rev & enl

Ancient | Egyptian Materials | And Industries | [double rule] | By | A.Lucas | O.B.E., F.R.I.C., F.S.A. | Formerly Director Chemical Department, Egypt, And Honorary Consulting | Chemist, Department Of Antiquities, Egypt | Fourth

Edition, Revised And Enlarged | By | J.R.Harris | M.A., D.Phil. | Research Lecturer, Christ Church, Oxford; Laycock Student | Of Egyptology, Worcester College, Oxford | [logo] | London | Edward Arnold (Publishers) Ltd [1962]

8°: xvi, 523, [1]p. Hardcover. 23 x 17.7 cm(9 1/8 x 7 in). LC 49-1654.

Cont: 1/2tp; quot; tp; publ data; pref this edit; tab cont; abbrev list(biblio, p xi-xiv, 84 entries); chronology; text; append(of analyses); addenda(includes recent refs); indexes; errata.

In his preface, Harris notes the inclusion of information taken from recent studies with references added to the list in the previous edition. Much technological information is also added, with an appendix of reliable chemical analyses. "The most consistent modification has, however, been in matters of lexicography, in order to eliminate invalid evidence derived from inaccurate or disputed translations of Egyptian texts." In this connection, see also Harris' *Lexicographical Studies in Ancient Egyptian Materials*, 1961. In this edition, the following places are of gemological interest: beads, Ch 4, 41-7(includes gemstone materials); inlaid gemstone eyes, Ch 7, 98-127(many types & examples); gemstones in general, Ch 16, 386-405; other stones, Ch 17, 406-28. Lucas should always be consulted whenever one writes or lectures about Egyptian jewelry.

4060. -----1958, Russian edit Materialy i remeslennye proizvodstva Drevnego Egipta. Moskva: Izdatelstvo Inostrannoy Literatury, 1958. 744 p, ill, 21 cm. Not seen, from LC 60-21965.

4061. LUEDECKE, OTTO PAUL(1851-1910)

Ueber Datolith | [rule] | Eine | mineralogische Monographie | von | Dr.Otto Luedecke | in Halle a/S. | [rule] | Mit 6 Tafeln, 5 grossen und vielen kleinen Tabellen. | Ueberreicht vom Verfasser. | [orn rule] | Halle a/S., | Gebauer-Schwetschke'sche Buchdruckerei. | 1889.

Separate: *Zs f Wiss*, 61, 1888, 235-404, Pls IV-IX.

8°: [2]p + p 235-404, 6 pls(crystal forms), folding; 5 tab(several fold). Pale gray wrap, title on cover. 22 x 14.5 cm(8 5/8 x 5 3/4 in). Cut. JSL.

Studies crystallography of datolite on specimens from many sources, with data on thermal coefficients of expansion and chemical composition. Extensive list of references, ca 100, and chiefly valuable to the gemologist for that reason. Pogg 4, 921.

LUETTI, C, see TAVERNIER, J B, 1682

LUI, Ya Y, see BOLDRYEV, A K

4062. LUISI DE VILLERO, INES

Instituto Nal. De Investigaciones Geograficas | Universidad De La Republica | Dra. Ines Luisi De Villero | Piedras Finas | Del | Uruguay | Apartado de la | Revista Nacional | Tomo LIII, No.158 | Montevideo | 1952

Centerstapled: 11 p, stiff white paper wrap, cover title. 23.7 x 16 cm(9 1/4 x 6 3/8 in). Cut. JSL.

The "modest" gemstone treasures of Uruguay are described, mostly quartzes and especially agates, with descriptions and sources, but with much of the essay wandering off into discussions of lapidary art, gem mining industry, export of rough to Europe, etc.

4063. LUKNIZKI, PAWEL[in Russ: LYUKHNITSKIY, PAVEL NIKOLAEVICH]

Pawel Luknizki | Gletscher | Räuber | blaue Steine | Gefährliche Reisen auf dem Pamir | [logo] | VEB F.A.Brockhaus Verlag Leipzig · 1957

Original title [p4]: Pavel Lukhnitskiy: Puteshestviya Po Pamiry, Izdatelstvo " Molodaya Gvardiya", Moskva 1955; Aus dem Russischen übertragen und bearbeitet von Ursula Sträubig."

8°: 324 p + tip-in fold map Pamirs; 4 other text maps; 33 photos on 12 tip-in glossy f. Tan, unfin coarse-weave cloth, green spine title with brown orns; brown vignette of horses on cover. Col dj, resume, other press titles. 20.5 x 14 cm(8 x 5 1/2 in). Cut. Marker ribbon. JSL.

Cont: 1/2tp; tp; publ data; tab cont; credits; fwd; text; notes & glossary; fold map.

About the author's geographical-geological explorations in the Pamir region, Tadzhik SSR, lying E of Badakhshan province of Afghanistan, and N of the easternmost tongue of the latter. Of special interest is the chapter entitled "Search for the blue stone [lapis lazuli] of the Pamir," 147-72, in which the author confirms the existence of a deposit of lapis lazuli in marble at the headwaters of the Schach-Dara[Shakh-Dara] River in the SW corner of the Pamir region and E of the better known occurrence in Badakshan. Discovery took place in 1931 and 5.5 tons of material were collected. Some history of lapis lazuli is included, also details on the expeditions taken by the author, and subsequent findings of other geologists who visited the region.

LUKNITSKII, P N, see YUDIN, G L, et al

LUKONIN, B, see BORISOV, A

LUND, S, see BERGE, V & LANIER, H W, 1932

4064. LUOMA, HENRY L (d 1948) & LUOMA, VIOLET L

Gems from | Keeweenaw | Beaches | The Story | Of | The Agate [Ahmeek, Michigan: Keeweenaw Agate Shop, 1948; cover title only]

Centerstapled: [16]p counting covers; 7 photos; cover photos. 16.5 x 11.7 cm(6 1/2 x 4 5/8 in). Cut. JSL.

Popular booklet for visitors and customers: brief geology & mineralogy of agate deposits on Keeweenaw Peninsula, Michigan, the agate-producing beaches, collecting, detection & selection of specimens.

LUPTON, H, see NEWBERRY, E

4065. LÜSCHEN, HANS(1895-)

Hans Lüschen | Die Namen der Steine | Das Mineralreich im Spiegel der Sprache | Mit einem Wörterbuch, | enthaltend über 1200 Namen von Mineralien, | Gesteinen, Edelsteinen, Fabel- und Zaubersteinen | 85 Abbildungen im Text und | 21 Kunstdrucktafeln | [logo] | Ott Verlag Thun und München [1968]

8°: 384 p; 85 fig; 21 pls(41 photos) on 11 tip-in or bound-in glossy f. Dk brown leather-like paper over bds, gold cover orn, gold lett & logo on spine. Dk purple dj, col malachite sect on cover with white lett; vita, resume, other publ bks. 22.6 x 15.3 cm(8 7/8 x 6 in). Cut. DM 34.80. JSL.

Cont: 1/2tp; tp; publ data; tab cont; fwd; Goethe quot; 4 parts in 18 chs(gloss, appends,includes biblio p 353-67); illust comments; persons index.

A fine, thoughtful work on the names of stones, minerals, and gemstones, which has become a minor classic and now much quoted. The author was a professor of German literature in Oldenburg, and thus brings to his work the study of many classical works in the earth and natural sciences as can be seen from the entries in his extensive bibliography, eg, Greek lapidaries, Latin lapidaries, Christian allegories, Middle Ages lapidaries, alchemical works, and many from the 16th century onward, in themselves annotated. The text is erudite but not tediously so, and offers much that is interesting as well as useful. The first part points out the difficulties inherent in any interpretation of ancient terms such as appear in older treatises and for which no agreement upon meanings has been reached even today. The second and very large part of no less than 16 chapters is historical and includes chapters on the precious stone appelations of the Middle Ages, later names, names of figured stones, some of which appeared originally in ancient treatises, and a large variety of names and their sources as used in several branches of the earth sciences. The third part is the glossary of over 1200 names, many explained with near-encyclopedic thoroughness, and with references to sources or writings. The plate photographs illustrate mineral specimens, but of much greater importance are the many text illustrations which are mostly taken from older earth science treatises, especially mineralogy, gemology, and mining. Rev *J Gemm*, 13, 3, 1972, 110-11, "fills a serious gap in mineralogical literature."

4066. LÜ TA-LIN K'ao ku t'u "Investigations of antiquities with Illustrations."" Laufer, *Jade*, 8, gives "in 10 chapters, first published during the Sung Dynasty in 1092, and re-edited by Huang Shêng in 1753 as an appendix to Wang Fu's *Po ku t'u*. In Chapter 8, a small collection of jades in the possession of Li Po-shih from Lu-kiang is figured, but without investigation." S H Hansford, *Chinese Jade Carving*, 134(no 92) includes this work but also notes an edition of 1752 entitled *San ku t'u*.

4067. LUTHMER, FERDINAND Goldschmuck der Renaissance nach Originalen und von Gemälden des XV-XVII. Jahrhunderts. Berlin, 1881, 4°: 71 p, 33 fig, 30 pls with 18 chromolithographs(110 reproductions). Not seen.

4068. -----1883(?), Paris edit

Joaillerie | De La | Renaissance | D'Après | Des Originaux Et Des Tableux | Du XV^{e} Au XVII^{e} Siècle | Par | Ferdinand Luthmer | Directeur De L'École D'Art Industriel De Francfort | [orn] | Paris | A.Quantin, Imprimeur-Éditeur | 7, Rue Saint-Benoit, 7 [nd, ca 1883]

4°: 24 p, 33 fig + 12 engrav pls + 18 col litho pls loose; text gatherings unsewn; in portfolio: dull green floral-pattern paper over bds, brown cloth spine, gilt leather label front cover; tan cloth ties. 35.3 x 22.8 cm(14 x 10 1/2 in).

The text explains the provenances of the objects depicted on the plates, along with historical notes and remarks on the forms and uses of jewelry of the period. The plates superbly executed in rich colors.

4069. LUZZATTO-BILITZ, OSCAR

Antiche giade | testo di | Oscar Luzzatto-Bilitz | Fratelli Fabbri Editori [Milano, 1966; "Le arti e gli stili in ogni temp e paese."]

8°: [3], [1 blank] p + p 7-158; there are no p 1-2!; first & last gatherings in 6's. 71 col fig(except one). Bright red, flexible leatherette bds, gold lett, orns, rules on spine. Col dj, pale green photo of shallow relief nephrite carving with black lett. 13.7 x 13.3 cm(7 3/8 x 5 1/4 in). Cut. Lire 750. JSL.

Cont: ser tp; publ data; tp; 5 chs; biblio(155, 10 entries); ill index; chs index.

Popular introduction to jade and jade carvings but not always logically organized while the information on the jades themselves is only fragmentary. Introduces jade, briefly describes lapidary methods, which subject is again treated in a later chapter(but this chapter inexplicably contains much matter not concerned with carving), origin of Chinese jade, myth & forms in the carvings, Precolumbian jade, and jade carvings of New Zealand. The color illustrations are excellent and depict a few of the finest pieces in major collections. The author speaks of his experiences in China, thus suggesting that some of the material is based on firsthand knowledge. The chapters on American and New Zealand jades are sketchy only. The bibliography is too short and does not include many works of importance. There is no index.

4070. -----1969, Engl transl

[logo, "Cameo"] | Antique Jade | Oscar Luzzatto-Bilitz | Paul Hamlyn | London · New York · Sydney · Toronto [Feltham, Middlesex: The Hamlyn Publishing Group Limited, 1969; "translated by Francis Koval..."; no 12 in the Cameo Series]

8°: 158 p(first f blank); text is followed by another blank f; same ill. V pale blue-gray cloth, gold lett & gold spine logo. Pale blue dj, green carved jade medallion with white lett on cover & spine; carved mask back cover, resume, other series titles. 18.6 x 13 cm(7 3/8 x 5 1/8 in). Cut.

Cont: blank f; 1/2tp; tp; publ data; text; ill list; blank f.

Rev *G & G*, 14, 3, 1972, 96; summary G.M.Born, 222-3.

4071. -----1974, Ger edit

Oscar Luzzatto-Bilitz | Antike Jaden | Schuler Verlagsgesellschaft Munchen [übersetzt von Jurgen Julier; "Elite-Bibliothek, Schätze der Jahrhunderte"]

8°: 160 p; 64 col photos(Pls 42, 43, 45-48 of Ital edit omitted while Pl 15, counted as two illust in the Ital edit, are here counted as one). Pale blue paper simulating cloth over bds, gold lett spine. White dj with jade photo, black lett, resume, other series bks. 18.4 x 13.1 cm(7 1/4 x 5 1/8 in). Cut. ISBN 3-7796-5116-5. JSL.

Cont: ser tp; tp; publ data; tab cont; 6 chs; explan of ill; biblio (p 159-60, 16 entries). There is no index.

4072. LYONS, ELIZABETH

Mr. and Mrs. Ivan B.Hart Collection | Archaic | Chinese | Jades | Catalogue By | Elizabeth Lyons | Edited By Robert J.Poor | With An Introduction By | Charles Macsherry | Smith College Museum Of Art | Northampton, Massachusetts | 1963 [title in black & olive-green]

8°: 72 p(first & last f blank); 50 text photos. Pale olive-green paper wrap, with over-wrap of similar color bearing a cream panel on front with 4 jades & black lett; b & w lett on spine. 21.4 x 13.8 cm(3 1/2 x 5 1/2 in). Cut. LC 63-16261. JSL.

Cont: blank f; tp; publ data; fwd; tab cont; introd; chronology; pls; gloss; biblio & abbrev(p 68-70, 30 entries); blank f.

The foreword gives the history of the collection and its eventual donation to the museum while the introduction, by Macsherry, briefly sketches the history of jade in China. Following the chronology are notes on dating of jades and places where the collection had been exhibited. The main text, by plate number entries, describes the objects, with dimensions, remarks, references, and other publishings. The photos are of fair quality only. Rev S H Hansford, *Burlington Mag*, 107, Jan 1965, 37; summary by G M Born, 224-5; Yang 1657.

4073. -----1978 Chinese jades; the role of jade in ancient China. *Expedition*, 20, Spring 1978, 4-20, ill. Not seen; from G M Born, 225-6; Yang 1656.

4074. LYTLE, MIRIAM ANDERSON & LIZZADRO, JOHN S

[rule] | The | Lizzadro | Collection | Chinese Jades and Other Hard Stone Carvings | By Miriam Anderson Lytle | in collaboration with John S. Lizzadro | Preface by Paul E.Desautels | A John Racila Associates Book | [rule] | 3 [1983; published in Chicago, Illinois, John Racila Associates, Inc., Oak Brook, Illinois 60521]

4°: 124 p; 3 b&w photos; 69 col photos; 6 col maps(all on p 115). Many col photos are spread over adjacent pages; one photo, p 49-52, unfolds downward to reveal a full-length view of an elaborately carved blue jade censer! Black unfin cloth, gilt spine & cover titles; dull yellow endp. Black glossy dj with col photo & flap resume, vita(photo of Lytle). 27.9 x 21.7 cm(11 x 8 1/2 in). Cut. LC 82-099930. $39.00. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ackn; dedic(with cameo portr of Mr & Mrs Lizzadro); pref; introd(J S L); text; chronology; maps of dynasty boundaries; pronunciation guide; gloss of motifs; gloss of stones; biblio(p 212, 23 entries); index; print data.

The preface provides conventional remarks on jade followed by historical notes in the introduction. An interesting but too-brief account follows concerning Lizzadro's acquisition of a large boulder of Alaskan nephrite which was subsequently sawn up and carved into two matching vases, both with covers & retaining chains, in traditional design. The text describes important pieces, mostly jadeites and nephrites, many carved very elaborately. Also included are a large screen, ornamented with hardstone carvings, a rock crystal vase, chalcedony teapot, lapis lazuli scenic boulder carving, and a series of pocket-pieces or pendants, along with other objects. None of the objects are ancient. The museum in which the collection is housed was founded by Joseph F Lizzadro, who was born in Italy in 1898, and who emigrated to the United States in 1909 eventually founding a prosperous electrical supply business in Chicago. The museum was formally opened on November 4, 1962. Lizzadro died in Elmhurst, Illinois in 1972.

4075. -----1983, limited edition identical except for a yellow marker ribbon and being encased in a matching black cloth slipcase which bears two horizontal gold rules and a pasted-on color plate cut-out(14.3 x 8.4 cm or 5 7/8 x 3 1/4 in). There is a presentation leaf tipped-in at the half-title reading "This Signed and Numbered Deluxe | Limited Edition Commemorates the | Twentieth Anniversary Of The Lizzadro Museum Of Lapidary Art, Number _____of 250," with two rules for signatures of the authors. The price was $100.00 despite the fact that nothing of major importance was changed in the book itself to warrant the appelation "deluxe."

M, G F, see MYLIUS, G F

4076. M, M F

Scripture | Natural History; | Being An Account Of | Animals, Trees, Plants, and Precious Stones | Mentioned In | Holy Scripture, | Given Principally In | Extracts From The Works Of Travellers: | Together With Some | Remarks On Agriculture, Climate, &c. | With an Appendix. | [rule] | Published Under The Direction Of | The Committee Of General Literature And Education, | Appointed By The Society For Promoting | Christian Knowledge. | [rule] | London: | Printed For The | Society For Promoting Christian Knowledge; | Sold At The Depository, | Great Queen Street, Lincoln's Inn Fields; | 4, Royal Exchange; 16, Hanover Street, Hanover Square; | And By All Booksellers. [nd, ca 1848]

8°: [2], viii, 452 p; many wood engrav vignettes in text. Purplish- brown cloth, elaborately scrolled blind-stamped panels on covers; blind rules, bands on spine with gold lett. Pale yellow, dull-finish endp. 16.6 x 10.2 cm (6 1/2 x 4 in). Cut. JSL.

Cont: 1/2 tp; publ data; tp; pref; tab cont; vignette list; 6 chs; "Appendix to the Second Edition;" subj index.

Apparently 2nd edit though not so stated in title; Ch 6 on precious stones, 366-91, providing a series of Biblical extracts followed by brief discussions, except for coral, on about 20 gemstones, all of it of little value and lacking the authority which the author appears to express in his discussions of animate creation elsewhere. It is a handsome work, typical of the period, with quaint wood engravings which add considerably to its charm. For the juvenile audience, in simple language. Unsigned, with "M.F.M." appearing at end of preface.

4077. MAASKANT-KLEIBRINK, MARIANNE Catalogue of the engraved gems in the Royal Coin Cabinet The Hague. The Hague, 1978, 2 vols, dj. Vol 1: text, 380 p, vol 2: pls, illustrating hundreds of Greek & Roman gems. From a bookseller's catalog; not seen.

4078. MAC ALISTER, DONALD The emerald mines of northern Etbai. *Geogr J*, London, 16, 5, 1900, 537-49, 6 photos; 3 sketch maps; cross-sect. "Towards the end of last year [1899], Messrs. Streeter & Co. equipped and dispatched an expedition with instructions to proceed to the so-called "Cleopatra's Emerald Mines," in Jebel Sikait district (Northern Etbai)." The expedition included the author and the narrative is firsthand experience. A good sketch map of the Sikait district and two others, one of Jebel Sikait and the other of local geology, are provided. The ancient mines are described, also the surroundings, and a key is given to the petrological cross-section of rocks encountered by the party in several adits driven by workmen into the hill as well as exposed on "Roman Hill" at Jebel Sikait. JSL.

4079. MACAN MARKAR, O L M

Gems | by | O.L.M. Macan Markar [wrap title only; nd, ca 1952]

Centerstapled: [32]p; 6 photos; col pl of sapphire. Tan, thick paper wrap, cover title with bracelet design, vertical stripes of darker tan. Back cover street map of Colombo showing firm location. 14.3 x 11 cm(5 5/8 x 4 3/8 in). Cut. JSL.

Advertising brochure issued by a long-established jewelry and gem cutting firm in Colombo, Ceylon; includes articles on value of jewelry, the Ceylon gem industry, history of the firm, Ceylon gemstones, lists of birthstones, principal Ceylon and Oriental gemstones.

4080. -----1976

Souvenir | to mark | The Non-Aligned | Summit Conference | (August 1976) | at | the Bandaranaike Memorial International | Conference Hall, Colombo | Sri Lanka | Issued by: Messrs. O.L.M.Macan Markar Ltd. [1976]

Edgestapled: 16 p + [5] glossy f each with a captioned photo; 2 text photos; inscription. Thick white paper wrap, col drawing of sapphire on cover with company name in blue. 22.2 x 14.3 cm(8 3/4 x 5 5/8 in). Cut. JSL.

General romantic remarks on Sri Lanka gemstones, history of the company, large & fine gems once owned by them, historical references to Ceylon, brief descriptions of major species; the photographs on the appended leaves show visiting dignitaries and publicity articles.

MACARIUS, JOHANNES(recte, L'HEUREUX, JEAN (1540-1604) & CHIFLET (or CHIFFLET), JEAN(ca 1614-1666)

Macarius, a Greek pseudonym adopted by Jean L'Heureux, b Gravelines 1540; Greek & latin scholar, stud philosophy at Louvain, archeology; appointed Canon of Aire in Artois; d 1604, but this date given erroneously in *Biogr Univ*, 24, 410 as 1614(also by Mariette, *Pierres gravées*, 1, 362); Thorndike, *Magic*, 7, 261, notes that "*Bibliotheca curiosa*, p.187, and other works of reference, states the year as 1604." Chiflet, Jean, not to be confused with Chiflet, Jean-Jacques(1588-1669), wrote numerous treatises, including several on engraved gems; he was appointed Canon of Tournai(*Biogr Univ*, 8, 385-6).

4081.-----1657.

Ioannis Macarii | Canonici Ariensis | Abraxas, | Sev | Apistopistvs; | Qvae Est Antiqvaria | De Gemmis Basilidianis | Disqvisitio. | Accedit | Abraxas Protevs, | Sev Mvltiformis Gemmae Basilidianae | Portentosa Varietas; | Exhibita, & Commentario Illustrata à Ionne Chi- | Fletio, Canonico Tornacensi, Philippo IV. Regi | Catholico, & Serenissimo Principi Ioanni Av- | Striaco à Sacris Oratorij, | [woodcut vignette, a pair of dividers] | Antverpiae, | Ex Officina Plantiniana | Balthasaris Moreti. | M.DC.LVII. Antwerp, 1657; [title in red & black]

4°: [12], 143, [12], [1 blank]p; $*^4$, $**^2$ A-T^4, V^2; 2 text woodcuts; 2 engrav in text(1 fullp); 120 gems on 28 engrav pls on 14 bound-in f. Ch orn; inits. 22.9 x 17.3 cm(9 x 6 3/4 in). Cut. USGS Kunz Coll, GS 33-341; Dewalque 330; JSL.

Cont; tp; dedic; text tp; Macarius treatise; Chiflet treatise; pls; index to pls; Chiflet's commentary; index of chs; index of authors; subj index; approbs; blank p.

An early treatise on abraxoid gems by Macarius, originally deposited as a manuscript in Louvain and exhumed and edited by Jean Chiflet with inclusion of his own *Abraxas Proteus*, the latter name given in allusion to the large variety of figures depicted on abraxoid gems. After a lengthy dedication by Chiflet to Prince Johann of Austria(1547-1578), a short section treats the writings of Macarius and is followed by a laudation and recent writings of others on the subject of basilidian gems. Macarius' work follows, entitled *Apistopistus*, which Mariette, ibid, 362-3, and *Biogr Univ*, ibid, interpret as meaning "faithful infidel," in allusion to the curious religious beliefs of the Gnostics who employed these engraved gems as tokens of their faith. Macarius obtained his expertise in Gnosticism during twenty years residence in Rome where he intensively studied early religions. The largest part of this book, however, is occupied by Chiflet's treatise, who also arranged for the illustrations, especially of the excellent engravings of gems which were reproduced in Gorlaeus's *Dactyliothecae*, 3rd edit, 1695. A large commentary is provided by Mariette, ibid, while C W King, a modern writer on the Gnostics, briefly describes the work in his *Antique Gems and Rings*, 1, 465, and calls it "an excellent dissertation upon the Basilidian gems; with many plates of intagli accurately drawn in a very spirited style by Jacques Werde, a military engineer, an accomplished draughtsman, with a taste for antiquities." Curiously, in his later work, *The Gnostics*, 2nd edit, 1887, he says nothing about Macarius except in a bibliographic reference upon p 454. Not mentioned by Furtwängler, *Die antiken Gemmen*, but Goodland, *Bibliography of Sex Rites*, 384, notes several phallic gems in the plates.

4082. MACDONALD, ALEXANDER In search of El Dorado... 1905. Not seen.

4083. -----1906, 2nd impression

In Search Of El Dorado | A Wanderer's Experiences | By | Alexander Macdonald | F.R.G.S, | With An Introduction | By Admiral Moresby | Illustrated | Second Impression | London: T.Fisher Unwin | 1, Adelphi Terrace. MCMVI

8°: [2 blank], xviii, 291, [1], [8 advert]p. tip-in front glossy pl with tissue(author portr in army(?) uniform) + 32 other photos on 31 tip-in glossy f. Reddish-brown cloth, col vignettes of mining & adventures on cover; similar dec spine with title. 29.3 x 13.5 cm(8 x 5 1/4 in). Fe uncut & partly unopened; be uncut. JSL.

Cont: blank f; 1/2tp; front; tp; publ data; dedic; introd; pref; tab cont; ill list; text; print data; advert.

Entertaining accounts of the author's adventures, written in part-factual, part-conversational style, The three text parts recount experiences during the Klondike gold rush, searching for gold in Australia, and "Promiscuous Wanderings," in which there are chapters devoted to the White Cliffs opal fields in Australia, 220-37, mining for kauri gum in New Zealand, 256-70, and pearling in Western Australian waters, 271-91. Not overburdened with useful information. The author, originally from Scotland, and apparently independantly wealthy, had Admiral John Moresby(1830-1922), Royal Navy, noted for his explorations of New Guinea/Australia coasts, write his introduction. A third impression of 1910 is identical but undated on the title-page and is bound in dk gray cloth, gold spine lett, cut down to 19.3 x 12.7 cm(7 5/8 x 5 in).

4084. -----1907

In The Land Of | Pearl And Gold | A Pioneer's Wanderings In | The Backblocks And Pearl- | Ing Grounds Of Australia | And New Guinea | By | Alexander Macdonald | F.R.C.S. |

Author Of "In Search Of Eldorado" | "The Lost Explorers" Etc. | Blackie & Son Limited 50 Old Bailey | London E.C. Glasgow Dublin Bombay | 1907

8°: xi, 318, [2 blank]p; front photo pls of author tip-in + 16 photos on 15 tip-in glossy f. Dk blue cloth, gold lett on cover above and below a central rect pictorial panel showing a miner "dry-washing" gravel, stamped in gold & pale green; gold lett spine. Pale gray endp. 21.4 x 14.5 cm(8 1/2 x 5 3/4 in). Teg. JSL.

Cont: 1/2tp; front; tp; dedic; pref; tab cont; ill list; 16 chs; blank f.

More exciting adventures by Macdonald: prospecting for gold, copper, and opals, and later on, fishing for saltwater pearls off the northern coast of Australia. The chapter on opal mining, 105-20, and that on pearling, 267-90, are valued chiefly for their portraits of local characters and descriptions of customs.

4085. -----1913, another London impression

In The Land Of |... |"The Lost Explorers," Etc. | T.Fisher Unwin | London: Adelphi Terrace | Leipsic: Inselstrasse 20

8°: 319, [1]p; same ill but front pl now supplied with tissue. Red cloth, same cover dec & lett but front cover panel less detailed. Plain endp; teg. 20.3 x 13.5 cm(8 x 5 3/8 in). Fe and be untrimmed. Entirely reset. JSL. Ch on opals, 113-28, on pearling, 269-92. p [4]: "First Edition 1907, Second Impression, 1913,"

4086. -----1913, reimpression, "The Modern Travel Series." Text, ill, size same and works in the series listed on p[2]; dull green cloth, white lett on cover with decoration in color of dry-washing scene, and with 4 col vignettes in each corner of front cover; black cover plain. Spine with vignette, white rules, gold lett. Endp v pale greenish yellow. Te ungilt.

4087. -----1913, cheap reprint. Advert on inner back flyleaf; dull medium-gray cloth, almost black, with gold lett on spine only. 19.3 x 12.7 cm(7 5/8 x 5 in). Ae cut; te not gilt. Despite indicated dates, the last two reprints were issued considerably later.

4088. -----1908 The pearl seekers. A tale of the Southern Seas. London, 1908, 8°: xii, 364, 16 pp, pictorial cloth, front, 2 maps. Not seen.

4089. -----1910(?) The quest of the black opals: a tale of adventure in the heart of Australia. Blackie & Son, no date, ca 1910. f ill, map, 8°: x, 352 p, pictorial cloth. Not seen, from Thomas Thorp, St Albans, England Cat No 450, 1984, no 359, "although written as a novel, the book is based on the author's own experiences in search of gems."

4090. MAC DONALD, BARBARA.

Gemstones | as | Amulets, | Talismans, | and | Healing Stones | by | Barbara Mac Donald | [logo] | MOS Publishing Company | P.O.Box 246 | Ringoes, New Jersev 08551 [1974]

Centerstapled: 11, [1 blank], [1], [1 blank]p. Pale green wrap, title with scarab in single-rule frame on cover. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cut. $1.00. JSL.

Defines amulets, talismans, and healing stones, describes several ancient symbols, discusses briefly 14 gemstones and their associated lore, but among them, such unlikely stones as sodalite and tigereye. Brief remarks on color symbolism complete the text.

4091. MACDONALD, ROBERT MACLAUCHLAN(1874-)

Opals & Gold | [star] | Wanderings & Work | On The Mining | & | Gem Fields | By | Robert M.Macdonald | F.R.S.G.S. | [star] | 1928 | T.Fisher Unwin, Ltd. | Bouverie House, Fleet Street. [London]

8°: 255, [1]p; 8 tip-in photo pls. Bright red unfin cloth, gilt spine title. Yellow & white dj, title & sketch in black on cover; other publ bks & resume. 21.5 x 14.1 cm(8 1/2 x 5 1/2 in). Cut. GS 34-222; LC 28-26451; JSL.

Cont: 1/2tp; tp; publ data; tab cont & ill list; 13 chs.

Stories of mining & prospecting in Australia, including mining molybdenite in North Queensland, opal mining in the same state, 27-97, pearling in the Broome region, 98-116, and gold & base metal mining elsewhere. In conversational prose but with much sound information.

4092. -----1928(?), United States edit

Opals & Gold |...| Philadelphia | J.B.Lippincott Company [nd]

Now in bright red, smooth finish cloth, gilt spine lett. Same p size. Te stained yellow. I have seen another reprint with lett & rules on spine in black; 22 x 13.5 cm(8 5/8 x 5 5/8 in). Fe & be untrimmed. USGS Kunz Coll, GS 34-222.

4093. MACDUFF, ALISTAIR

Lords | Of | The | Stone | An Anthology of Eskimo | Sculpture | by Alistair Macduff | Photographs by | George M.Galpin | Whitecap Books | North Vancouver, British Columbia, Canada [1982, reprint 1983; title in dull orange, as also headings & ch numerals]

8°: 151, [1 blank]p; 87 col photos; doublep sketch map of Arctic Canada & Greenland. Dk blue pebbled texture, plasticized paper over bds; large gilt title on cover; gilt spine title; blue endp, Dk gray dj, col photos, flap resume, vitas. C82-091332-4; ISBN 0-920620-35-3(hardcover); ISBN 0-920620-37-X(ltd edit, not seen). $45.30. 33 x 24.2 cm(13 x 9 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; pls list; pref; introd; map; 12 chs; epilog; blank p.

Superbly photographed examples of simple yet spirited sculptures by Eskimos inhabiting parts of Greenland and several regions of Arctic Canada and Hudson Bay, with each chapter devoted to and commenting upon the work of a specific cultural group. The first two chapters recount the history of the Eskimos, their homelands, culture, etc, with notes upon the artists, the materials used, methods of carvings and descriptions of tools, and other matters connected with the creation of animals and figurines from soapstone (about half the objects depicted), which ranges from green to black in hue, with the remaining substances being an attractive white, fine-grained quartzite rock, whaleteeth, whalebone, and four objects worked in terra cotta.

MACEDO, J J COSTA DA, see COSTA DE MACEDO, J J DA

MACFADDEN, C KENDRICK, see RAINIER, P W, et al, 1929

MACFALL, RUSSELL PATTERSON(1903-1983) & CHAGNON, HARRY E

R P M USA journalist, editor, writer; b Indianapolis; AB De Pauw U 1925; MA Chicago U 1931; newspaper edit several Midwest journals; enthusiastic collector of minerals & popular writer in mineralogy; the mineral "macfallite" named after; notes & obits, *R & M*, 55, 6, 1980, 250-1; *Lap J*, 37, 8, 1983, 1188-9; *R & M*, 59, 2, 1984, 9(portr).

4094. -----1946

Gem Hunter's Guide | By | Russell P.Macfall | Contributing Editor | Science And Mechanics Magazine | In Collaboration with | Harry E.Chagnon | Assistant Curator, Department of Geology | Chicago Natural History Museum | [orn] | Published By | Science And Mechanics Publishing Company | 49 East Superior Street, Ckicago 11, Illinois [title in 3-rule frame; 1946]

Edgestapled: 95, [1 advert]p; 20 photos on 4 glossy f(called a "portfolio", with first page title & explan). Thick tan wrap, brown lett & sketch on cover. 19.2 x 13.2 cm(7 1/8 x 5 1/4 in). Cut. $1.00. JSL.

Cont: tp; publ data; tab cont; 9 chs(the last biblio, p 91-4, 14 entries); suggested report form; advert. P 84-90 blank but ruled for notes.

The substance of this work appeared originally as articles in *Science And Mechanics* magazine. There are brief remarks on collecting, how to collect, gem families, diamond in the United States, identification, description of principal gemstones, and two lists of gemstone localities, one by gemstone, the second by state, but neither specific enough to be useful. From this simple beginning sprang a long series of editions, all improving upon their predecessors.

4095. Not used.

4096. -----1951, 2nd edit, *less* CHAGNON

Gem Hunter's Guide | [rule] | by Russell P.Macfall | Contributing Editor | Science and Mechanics Magazine | Science and Mechanics publishing company | 450 East Ohio Street | Chicago 11, Illinois [1951]

While the previous edition is not mentioned, this is obviously the direct outgrowth, hence the second edition.

8°: [4], 187, [1 blank]p; 22 photos on 4 glossy bound-in f; 39 crystal drawings; 4 sketch maps; 2 text sketches. Dk blue cloth-type paper over bds, silver lett on cover & spine. 19 x 12.7 cm(7 1/2 x 5 in). Cut. Brownish-red dj, resume, vita. $3.50. JSL. LC 51-9865.

Greatly expanded, improved: now with several chapters on mineralogy, crystallography, formations in which gemstones occur, also diamonds in the USA, pearl hunting in freshwaters, use of UV light, and locations for gemstones as before but somewhat expanded and more specific. There is also a glossary, places to obtain more information, annotated biblio, 181-7, 18 entries, annotated. The chapter on diamonds in the US contains tables of finds in the Midwest, a special table for Indiana diamonds, and also diamonds from North Carolina, Georgia, and California. The chapter on pearl-fishing in American waters is the first to appear in a modern guidebook. A second printing in 1951.

4097. -----1958, "2nd edit" so-called

Gem Hunter's Guide | [rule] |...| Second Edition: revised, expanded and | illustrated with maps and color plates | Science and Mechanics publishing | 450 East Ohio Street | Chicago 11, Illinois [1958]

P [ii]: "first edition of Gem Hunter's Guide Copyright, 1951" although that of 1946, is first in terms of subject matter, format, etc.

8°: [4], 188 p; 5 sketches, 84 sketch maps, 53 col photos on 8 bound-in glossy f. Pale grayish-blue pigskin-like cloth, black lett on cover & spine. Col dj, resume, vita. 19.2 x 12.8 cm(7 5/8 x 5 in). Cut. LC 58-10709. JSL.

Cont: tp; publ data; tab cont; ackn; 15 chs. General enlargement & revision; added ch on qualities & typical prices of rough gemstones; biblio ch expanded to 3: bks for collectors, magazines, regional guides, p 180-6, 21 bks, 8 magazines, 21 guides. Two previous chs on gem mineral localities now combined.

4098. -----1963, 3rd edit

Gem Hunter's | Guide | Revised Edition | The complete handbook | for the amateur collector | of gem minerals | Russell P.Macfall | Thomas Y.Crowell Company | New York / Established 1834 [1963, 3rd edit, but not so stated]

16°: [6], 278, [4 blank]p; 51 col photos on 4 bound-in glossy f; 88 sketch maps, 6 sketches. Black cloth, bright yellow spine with black lett, Col dj, resume, vita, adverts. 19 x 12.6 cm(7 1/2 x 5 in). Cut. $4.94. LC 63-15092. JSL.

Cont: 1/2tp; tp; publ data & ackn; tab cont; 15 chs; 2 blank f.

Enlarged, entirely rewritten, much improved in quality of information. The technical information on mineralogy is still fragmentary and of little real value. Rev *G & G*, 11, 3, 1963, 94.

4099. -----1969, 4th edit

Gem Hunter's | Guide | Fourth Revised Edition |... [1969]

16°: [6], 279, [3 blank]p; same ill. Bright yellow cloth, black & white spine lett; sketch map of US on endp. Col dj, resume, vita, advert. Same p size. $5.95. LC 78-81943 [sic]. JSL. Text same; minor changes in bibliography.

4100. -----1975, 5th edit

Gem | Hunter's | Guide | How to Find | and | Identify Gem Minerals | Fifth Revised Edition | Russell P.MacFall | Thomas Y.Crowell Company | New York / Established 1834 [1975]

16°:[10], 323, [3 blank]p; col ill same but now 7 fig, 100 sketch maps. Brown unfin cloth, gold lett spine; brown dj, white lett, col photo, resume, vita, other bk of author. Sketch map endp. 20.3 x 13.5 cm(8 x 5 3/8 in). Cut. $7.95. LC 74-13469; ISBN 0-690-00656-X.

Cont: 1/2tp; tp; publ data; ackn; tab cont; 11 chs; gloss; sources of information & supply; further reading(p 317-23, 88 entries, 8 magazines); 3 blank p.

By far the best edition. After a first "inspirational" chapter, the text takes up mineral properties & identification, rock formations in which gemstones occur, practical advice on field trips, large table of gemstones with their properties, rocks in which found, etc, use of UV light and a list of fluorescent minerals, judging quality & value in gemstones(includes information on artificial coloration), collectors & collections, advice on forming collections, chapters on diamonds & pearls(essentially unchanged), and the directory Chapter 11, 106-295, which now includes additional Canadian and Mexican localities. The value of this directory is enhanced by more specific details on how to

reach localities. Also in paper, same pag, etc, 20.3 x 13.3 cm(8 x 5 1/4 in). Cut. $4.95. ISBN 0-690-01221-7.

4101. -----1975.

A Color Treasury | For Collectors | And Guide To | Hunting Locations | Minerals | And | Gems | Russell P.MacFall | Thomas Y.Crowell Company | New York / Established 1834 [1975]

8°: xi, [1 blank], 242, [2 blank]p; 263 col photos, 100 sketch maps, 20 tabs & charts. Black cloth, silver spine title; col dj, resume, vita. 26.5 x 23.2 cm(10 3/3 x 9 1/8 in). Cut. LC 74-28082; ISBN 0-690-03687-X. $17.50.

"Pages 1-128 of this edition are based on *Guida di Minerali* by Ambrogio Del Caldo, Cesarina Moro, Carlo Maria Gramaccioli, Matteo Boscardin, published in Italy in 1973 by Frateli Fabbri Editori" and "New material has been added for this American edition."

MacFall contributed p 129-229, in Pt 3, entitled "Guide To Hunting Locations," but actually a "Guide To Gem Hunting Locations" as stated on p 131, and based on his 5th edition of Gem Hunter's Guide above; the same sketch maps are used.

4102. MACFALL, RUSSELL P, with BRANHAM, MARCIA K, consultant

Wyoming Jade: | A Pioneer Jade Hunter's Story | By Russell P. Macfall, Editor | with | Marcia K.Branham, Consultant | Copyright, 1980 By | Lapidary Journal, Inc. | First Edition | First Printing... September 1980 | All Rights Reserved. No Part Of This |...[3 lines]...| Published By | Lapidary Journal, Inc. | P.O.Box S0937 | San Diego, Calif. 92138 | Printed In The U.S.A. By | Arts & Crafts Press | San Diego, Calif. | III

Cementb: p [I-II] blank, III-VII, [1 blank] p + p 1-56. 49 photos, 3 sketch maps. Glossy wrap, scene in col on cover + title; spine title; pale brown back cover. 27.9 x 21.6 cm(11 x 8 1/2 in). Cut. $5.95, JSL.

Cont: blank f; tp; portr photo; pref; tab cont; introd; 12 chs; concl; append(2 arts + biblio, p 54-6, 17 bks, 18 geol studies, 86 journ arts).

This work republishes a series of articles written by Wyoming jade hunter Allan William Branham(1878-1969) that appeared in *Lapidary Journal*, 1965-66, but here substantially augmented by a large introduction by the editor and republication of articles by geologist Richard A Crippen, Jr, and the late Lawrence J Bergsten, a dealer in jade rough, also on Wyoming jades. MacFall's introduction: a summary history of discovery & exploitation of jade in Wyoming and elsewhere in the contiguous United States, Alaska, British Columbia, and Yukon Territory; there are also brief remarks on jades from other world sources as well as on the mineralogy of jades and their geological occurrences. Crippen explains the geology of jade deposits in Wyoming while Bergsten's article provides historical notes on finding jade in Wyoming. An excellent work, well illustrated.

4103. MACGREGOR, ALEXANDER MEIERS, et al

Southern Rhodesia. | [double rule] | Geological Survey Bulletin | No.8. | [double rule] | (1) The Geology of the Diamond-bearing | Gravels of the Somabula Forest. | By A.M.Macgregor, B.A., with Notes by the late | A.E.V.Zealley. | (2) On a Collection of Fossil Plants from | Southern Rhodesia. | By A.C. Seward, Sc.D., F.R. S., and R.E.Holttum, B.A. | (Cambridge). | [double rule] | Issued By Authority. | [double rule] | [coat-of-arms] | Salisbury: | Argus Printing & Publishing Company, Ltd. | [rule] | 1921.

Edgestapled: 48 p; col fold geol map; 11 pls. Pale blue print wrap. 24 x 15.5 cm(9 1/2 x 6 1/8 in). Cut. GS 21-369. JSL.

Cont: tp; pref; tab cont; ill list; texts & refs; index; fold map.

4104. MACIE, JAMES LOUIS XXII. Of some Chemical Experiments on Tabasheer. By James Louis Macie, Esq., F.R.S. p.368. *The Phil Trans Roy Soc London...Abridged*, 17, London, 1809, p 101-11. Describes experiments on the opaline material(tabasheer) found in bamboo.

4105. MACINNES, DANIEL

Synthetic Gem | And | Allied Crystal Manufacture | Daniel MacInnes | Noyes Data Corporation | Park Ridge, New Jersey London, England | 1973

16°: ix, 221, [9]p; 41 fig. Blue, leather-type cloth, gilt, cut diamond on cover. 23.4 x 15.5 cm(9 1/4 x 6 1/8 in). $24.00. JSL.

Cont: 1/2tp; tp; publ data; fwd; tab cont & subj index; introd; 8 chs; index; inventor index; U S Patent no index; disclaimer note; advert.

A compilation of patents illustrated with patent drawings and with simplified explanations of the methods and equipments used to manufacture synthetic gem materials, including gemmy materials which have no known natural counterparts. Processes include flame fusion, flux melt, direct synthesis from components by various methods, indirect synthesis, and other processes which may be advantageously employed to alter the characteristics of synthetic or natural gem materials. Most space devoted to diamond and with less given to the classic Verneuil flame fusion method and the manufacture of rutile, titanates, niobates, garnets, jade, quartz catseye, opal(not by the Gilson method), lapis lazuli, and emerald. R Webster, *J Gemm*, 13, 7, 1973, 282-4, "provides much valuable information... but being confined to United States patents only it loses much of the colourful history of gemstone synthesis... the omission of any information, or even a table, of the constants of the crystals discussed [is] rather irksome and a major defect." Rev *G & G*, 14, 5, 1973, 152.

MACINNES, D, see YAVERBAUM, L H

4106. MACINTOSH, E K

E.K.Macintosh | A Guide To | The Rocks, | Minerals And | Gemstones Of | Southern | Africa | Illustrations by Professor I.C.Rust | [logo] | G.Struik Publishers · Cape Town And Johannesburg · 1976

Oblong, 12°: 96 p; fold ident chart pasted to inside back cover; 102 col photos. Limp, thin bds, covered with glossy paper, col photo & title in red on cover; back cover resume. 19.6 x 21.2 cm(7 3/4 x 8 3/8 in). Cut. R 5.95. ISBN 0 86977 062 4. JSL.

Cont: tp; publ data; tab cont; introd; text; gloss; index; ident tab.

Preliminary information on collecting & caring for specimens, properties of minerals, etc, followed by descriptions of minerals and gemstones, and their occurrences, all noted under the several classes as rock-forming minerals, major & minor species, and economically important minerals. Further chapters describe rocks by class. Elementary treatment. Generally good photographs although many of the specimens portrayed are of indifferent

quality; several minerals are not South African. The first popular presentation of South African mineral materials for the amateur.

4107. ------1983, rev edit

E.K.Macintosh | Rocks, Minerals | and Gemstones | of Southern Africa | [rule] | A Collector's Guide | Photographs | by Professor I.C.Rust | [logo] | C.Struik Publishers | Cape Town, 1983

Title col photo spread over 2 pages with white title recto.

Gatherings in sixes: 120 p; 108 col photos; geol time chart. Black glossy paper over bds, col photo of wulfenite & title in col on front & spine. 21.5 x 11 cm(8 1/2 x 4 1/4 in). ISBN 086977 141 8. JSL.

Cont: 1/2tp; tp; publ data & photo credits; tab cont; ackn; pref; text; geol time scale; biblio(p 110, 6 entries); gloss; indexes.

Considerably improved, corrected, and with generally fine color photographs although several still are of non-African specimens. Gemstones now include several varieties of crystalline & cryptocrystalline quartz, beryl, tourmaline, topaz, sugilite, and several carving materials.

4108. MACK, K Pyroelectrische und optische Beobachtungen an brasilianischer Topas. *Wiedemann's Annalen der Physik u Chemie*, NF, 28, Leipzig, 1886, p 153-67. Not seen, from Gonsalves, A D, *Biblio Brasil*, 1928, 128.

4109. MACKAY SCHOOL OF MINES, UNIVERSITY OF NEVADA [A bull by mbrs of Mackay School of Mines Staff on the mineral dumortierite:] *Univ Nev Bull* 22, 2, Mar 15, 1928, Reno, centerstapled: 47, [1], [2 blank]p; fold tab, dull green print wrap. 23 x 15.2 cm(9 x 6 in). Cut. JSL. Excellent study: general article on the mineralogy by O R Grave, p 7-21, & other articles on geology, mining in Nevada, in which state at least one deposit has yielded fibrous material suitable for cabochons. Biblio 53 entries p 45-7.

4110. MACKENZIE, GEORGE STEUART(1780-1848) On the formation of chalcedony. Trans Roy Soc Edinburgh, 10, 1826, 82-104, engrav pl No 5(agate nodule cross-sect). Describes numerous specimens in his collection, speculates on origin of chalcedony, quartz, calcite, zeolites, and is of opinion that these minerals entered openings in molten fluid form but admits that water may have been present. DNB: mineralogist; proved diamond=carbon in 1800; friend Robert Jameson; best known for his *Travels in Iceland*, 1811.

4111. MACKENZIE, K J D & GREEN, J M The cause of colouration in Derbyshire Blue John banded fluorite and other blue banded fluorites. *Min Mag*, 38, 1971, 459-70, 3 fig, tab. JSL. "The optical spectra and bleaching behaviour are consistent with colouration by colloidal calcium rather than F. centres." The authors completely discount the coloration role of organic substances commonly found with and included in fluorite crystals.

MACKOWSKY, M T, see AUFSCHLUSS, DER

4112. MACLACHLAN, DON

Complete Book Of Rocks, Gems & Minerals | by Don Maclachlan | and the Editors of | Gems and Minerals magazine [title spread over 2 p]

P[2]: "Copyright... 1968 by Petersen Publishing Company... Los Angeles, California 90069."

Edgestapled: 192 p; ca 260 ill; 8 sketch maps. Col wrap, col photos on front cover; back cover plain with logo. Ill on inside covers. 27.7 x 21.1 cm(10 7/8 x 3 3/8 in). Cut. $2.00. LC 68-57965. JSL.

Cont: tp; publ staff & publ data; tab cont; pref; 17 chs.

Introduction to the mineral collecting and lapidary hobbies: how to get started, field trips, collecting sites, mineral identification, lapidary work, jewelry making, collecting mineral specimens and micromounts, club directory, dealers & suppliers. Also issued in hardcover, red cloth, gold lett on cover & spine. 27.3 x 20.6 cm(10 3/4 x 8 1/8 in). $5.95. Still another hardcover issue in blue buckram. Part of the title sacrificed due to insertion of endpapers and title therefore reads "Of Rocks, Gems & Minerals."

MACLACHLAN, D, see DAKE, H C & MACLACHLAN, D, 1962

4113. MACLACHLAN, D C Diamonds: their occurrence in New South Wales. NSW Dept Mines, 1899, 8°, p 1-18. Not seen.

4114. MACNEVIN, A A Sapphires in the New England district, New South Wales. *Rec of the Geol Survey NSW*, Sydney, no 14, 1, 1972, 19-34, 4 fig, 2 pls. Not seen.

4115. -----1977 Diamonds in New South Wales. *Dept Mines, Geol Survey NSW, Mineral Resources* No 42, Manuscript dtd March 1973, publ 1977. 16°: ix, [1 blank], 125, [1]p; 15 pls(8 col photos on 2 pls, 24 b&w photos on remainder); 13 fig (includes 4 part col fold maps, tip ins); 7 tab. Pl I, colored, with caption, is conjugate with titleleaf and tipped-in ahead of text, and with the titleleaf included in pag. Glossy wrap, col photo diamond crystals with white title on cover; spine title; ISBN on plain white back cover; cover photo caption inside front cover. Pls 2-15 bound-in after text. 24 x 18.2 cm (9 1/2 x 7 1/4 in). Cut. Aus $12.50. Nat Libr Australia Card No & ISBN 0 7240 0704 0. JSL.

Cont: Pl 1; title; tab cont; ill lists; tables list; summ; blank p; introd; text; conclusions & ackn; biblio(p 108-14, 250 refs); 2 appends; index; caption to Pl 2; pls.

By far the most complete description of these deposits which have been known for many years but received only fragmentarv descriptions and notices hitherto. Commences with brief remarks on the properties, crystallography, coloration, defects, grading, valuation, cutting, synthesis, and gemstones used as substitutes for the diamond, ore processing, grading of stones, prospecting, diamond localities worldwide, type deposits, kimberlites, and genesis of diamond, all serving as a concise introduction to the diamond itself before describing in detail the New South Wales deposits. The latter includes a history of previous exploration and mining, previous literature, possible sources of the diamonds found in alluvium, and with text figures that include maps & cross-sections, of which 4 large maps show the extent of diamondiferous alluvia, rock types, etc, tinted. The plates depict crystals, sections of deposits and mines. Appendix 1: world diamond production, append 2: diamond production in NSW.

4116. -----1979 Gemstones. Report No 13 on the Mineral Industry of New South Wales, 2nd edit, vol 1, Sydney,

Government Printer, 1979. 120 p, col ill. Paper. Not seen: from *Austral Gemm*, 14, 6, 1981, 146.

MACQUART, LOUIS CHARLES HENRI (1745-1808)

Fr medical doctor, mineralogist, prof Central School, Seine-et-Marne, conservator Nat Hist Cabinet, Fontainebleu. Pogg 2, 7. *Biogr Univ*, 26, 76.

4117. -----1789

Essais | Ou | Recueil De Mémoires | Sur Plusiers Points | De Minéralogie, | Avec la Description des Pièces déposées chez | le Roi, la Figure, & l'Analyse chimique | de celles qui sont les plus intéressantes, | & la Topographie de Moscow. | Après un Voyage fait au Nord par ordre | du Gouvernement. | Par M. Macquart, Docteur-Régent de la | Faculté de Médecine de Paris, Membre de la Société| Royale de Médecine, &c. &c. | [woodcut vignette] | A Paris, | Chez Cuchet, Libraire, rue & hôtel Serpente. | [double rule] | M. DCC. LXXXIX. | Avec Privileges de plusiers Académies.

8°: xxxvj, 580 p; pi^2, a-b^8, A-Nn^8, Oo^2; 7 engrv pls bound-in at end. 19.8 x 12.5 cm(7 3/4 x 4 7/8 in). JSL; Ward & Carozzi, 1452; Dewalque, 331.

Cont: 1/2tp; tp; introd; tab cont; text; pl explan; approb; errata; pls.

The eight memoirs comprising the text are based on the author's travel experiences in the Urals, Siberia, the vicinity of Moscow, and Poland. Among them are several of great interest to the gemologist, eg, the first memoir, on chalcedony pseudomorphs after gypsum which are found in the vicinity of Cracow, Poland, with several specimens being depicted upon the first plate. A visit to the celebrated Wieliczka salt mines is narrated as well as visits to salt mines in Siberia. Memoirs three to five are mineralogically important because they describe minerals found in a number of Siberian mines, including the Beresov deposit which formerly provided splendid specimens of crocoite which Macquart calls "plomb rouge," and which he analyzed without recognizing the presence of chromium. A few remarks are made on the famous copper mine at Gumeshevsk which is best known for having yielded enormous masses of malachite suitable for overlay lapidary work. The eighth memoir is gemologically most important inasmuch as it deals with the aqua marines and topazes from Adun Chilon in Transbaikalia, and provides a catalog of specimens of aquamarine and other minerals collected. Included here are remarks on the amethyst of Siberia, several specimens of which are scepter overgrowths (illustrated on a plate), and specimens from Siberia, Saxony, and Hungary included in the catalog. Other notes treat quartzes from Siberia, agates, jaspers, and ornamental stones, with a final part on geography of Moscow and vicinity and descriptions and catalogs of fossils found here and elsewhere in Russia.Agassiz III, 525.

MACQUER, PIERRE-JOSEPH (1718-1784)

Fr medical doctor, chemist, physicist; b Paris; MD in 1742; prof chem Jardin du Roi; dir of the Sèvres porcelain factory; wrote important textbooks and treatises on chemistry. DSB 8, 618-24; *Biogr univ*, 26, 76-8.

4118. -----1772 Nouvelles experiences faites sur le diamant par MM. Macquer, Lavoisier, Cadet, Maillard, Mitouart & Baume, dans le Journal du Scavans, 1772, p 435. Not seen. A separate was issued in 31 p, 8°. Experiments on the combustion of diamond.

4119. MADSON, MICHAEL E

It Ain't Jade | The Wyoming Jade Story | by | M.E.Madson | Copyright © 1975 Michael E.Madson | All rights reserved. No part of this work |... | without written permission from M.E.Madson, | Riverton, Wyoming. | Illustrations and Artwork by Karey E.Huff

Centerstapled: [2], 38 p; 7 line drawings. White glossy paper wrap, col title on bright yellow cover panel. 23 x 15.1 cm(9 x 6 in). Cut. JSL.

Entirely photocopied from hand-lettered masters & line drawings, with no conventional type appearing anywhere. Defines Wyoming nephrites, chemical composition, properties, geology of deposits, and names 23 varieties. There is a table of comparative prices for rough and cabochons, and the author's method of cutting and polishing the nephrite in its many varieties. The title is misleading because very little is said about jade -like materials or substitutes. Despite its brevity, much useful information is imparted. The author is an independent consulting geologist.

4120. MAERTENS, KURT

Taschenführer | Kurt Maertens | Edelsteine | Kostbarkeiten Der Natur | Fackelträger-Verlag | Schmidt-Küster GMBH Hannover [1967]

8°: 211, [1]p; front ill; 9 col & 27 b&w photos on 12 bound-in glossy f; 15 fig(3 maps). Col glossy paper over bds, col photo on cover. 14.2 x 9 cm (5 3/a x 3 1/2 in). Cut. DM 9.80. JSL.

Cont: ser tp; front; tp; publ data & credits; tab cont; fwd; introd; text; cutting styles; pearl shapes; tab of hardnesses; chem symbols; tab birthstones; zodiacal signs; planetary stones; synthetics & falsifications; production data on diamond; gemstone deposits(3 maps); index; biblio(6 entries).

Written by a practising jeweler for popular consumption and a very good summary of the major features of gemstones. Begins with properties, and followed by 62 short chapters on as many species and varieties of gemstones, each with succinct description, property data, major features, how cut, deposits, average cost per carat. Color photos are faithful in hue but somewhat dark; some are blurred. Rev *Zs Dt Gemm Ges* 62, 1967/8, 61-2.

4121 MAESTRI, AUGUSTO Intagli Romani in pietra dura e sigillo Bisantino in bronzo proveniente da Pesto - Anno I." (nuova serie). Fascicoli V., VI. e VII. - 1903 - Carpi Tip.Ravagli. Not seen; from the author's book below.

4122. -----1904

Dott. Augusto Maestri | [rule] | Intagli E Cammei | Schede Descrittive | [engrav gem photo] | Modena | Tipo-Litografia Bassi E Debri | 1904

"Edizione di 200 esemplari fuori commercio."

8°: VII, [1 blank], 193, [1]p; the first leaf of prelims is blank; 24 actual-size photos of cameos & intaglios, the latter from impressions, in text. Glossy white wrap, red & black title, photo of gem, on cover. 24.3 x 16.9 cm(9 5/8 x 6 5/8 in). Cut. JSL.

Cont: blank f; tp; limited edit note; pref; text tp; text; appends; note; biblio(p 99-100, 61 entries); tab cont; other works of author.

Detailed descriptions of 64 cameos & intaglios in the author's

personal collection plus others from collections in Modena, Italy. Classes: mythological, allegorical, iconographical(Greek, Roman, modern), gnostical, and animalistical. First appendix: Summary descriptions of various intaglios executed in gemstones that are preserved in the Galleria Estense, with entries by name of gemstone but otherwise without catalog numbers or other means of identifying them. Second appendix: reproductions of several inventories of engraved gem collections (in Modena?) dated to the years 1662, 1669, and 1803, with extensive notes. Bibliographical entries sans paginations; some errors.

MAFFEI, PAOLO ALESSANDRO(1653-1716)

Famous Ital antiquary & writer; b Volterra; intensively studied collections in museums & cabinets, and wrote with lucidity and spirit. *N Biogr Gen*, 32, 653-4.

4123. -----1707-9

Gemme Antiche | Figurate | Date In Luce | Da Domenico De' Rossi | Colle Sposizioni | Di Paolo Alessandro Maffei | Patrizio Volterrano, Cavaliere dell'Ordine di S/Stefano, | e della Guardia Pontificia | Parte Prima[-Quarta] | Pubblicata sotto i gloriosi auspicj | Della Santità di Nostro Signore | Papa | Clemente XI. | [orn] | In Roma | Nella Stamperia alla Pace l'anno MDCCVII [-MDCCIX]. | Con Privilegio Del Sommo Pontefice, | E licenza de' Superiori.

Vol 1: 4°: xxxij, 130, [13], [1 blank]p; a-d^4, A-S^4; 105 engrav pls; another unnumb pl tip-in at p 112. 27.9 x 20 cm(11 x 7 7/8 in). Cut. JSL.

Cont: 1/2tp; tp; dedic; imprim & approb; ltr; Agostini discourse; pls index; pls; explan of pls; unnumb pl; Albani discourse; author index; subject index & colophon; blank p.

Vol II

Gemme Antiche |...| Parte Seconda | Pubblicata sotto i gloriosi auspicj | Dell' Altezza Reale | Di | Cosimo Terzo | Gran Duca | Di Toscana. | [orn] | In Roma | Nella Stamperia all Pace l'anno MDCCVII. |...

4°: [8], 234, [5], [1 blank], 21, [1 blank], [1], [1 blank]p; a^4, A-Kk^4; 103 bound-in engrav pls, with a doubleleaf engrav pl and another tip-in at p 217.

Cont: tp; dedic; pls index; pls; explan of pls; doubleleaf pl; single pl; Severoli discourse; author index; subject index; blank p; colophon; blank p

Vol III

Gemme Antiche |...| Parte Terza | Dedicata | All'Eminentissimo, E Reverendissimo Principe, | Il Sig. Cardinale | Pietro Otthoboni | Vice-cancelliere della Santa Romana Chiesa &c. | [orn] | In Roma | Nella Stamperia all Pace l'anno MDCCVIII. |...

4°: [12], 224, [5], [1 blank], 19, [1 blank], [1], [1 blank]p; a^6, A-Gg^4, H^6; 102 engrav pls; an unnumb pl tip-in after p 190.

Cont: 1/2tp; tp; dedic; pls index; pls; pls explan; unnumb pl; Sergardi discourse; author index; subj index; blank p; colophon; blank p.

Vol IV

Gemme Antiche |... | Parte Quarta | Dedicata | All'Eminentissimo, E Reverendissimo Principe, | Il Sig.Cardinale | Tommaso Ruffo. | [orn] | In Roma | Nella Stamperia all Pace l'anno MDCCIX. |...

4°: xv, [1 blank], 296, [4], 17, [1]p; 100 engrav pls bound-in, 5 unnumb engrav pls tip-in at p 154, 162, 170,182, 195; several large woodcut tailpcs.

Cont: 1/2tp; tp; dedic; note; pls index; pls; pls explan;discourses by Buonarotti, Magliabechi, Cupero, Fontanini, Brancadori; index to authors; subj index; colophon.

A large, compilatory work on antique engraved gems, combining in each volume about 100 engraved plates with descriptions of the gems and with short essays by various authorities appended to the main bodies. The titles vary according to dedicatee as well as volume number and date. An extended commentary appears in P J Mariette, *Traité des pierres gravées*, 1, p 277-9, and another in G A Aldini, *Instituzioni glittografiche*, 198-226, with both giving some historical notes on the origin of the plates and the preparation of the work under the direction of Rossi. C W King, *Antique Gems and Rings*, is blunt and unfavorable in his comments, "the numerous plates are all in bold, coarse style of the Roman copper-plates of the previous century, utterly unsuitable for the character of the gems, and therefore may be condemned as utterly without value to the student." His criticism appears much too harsh. In comparison, A Furtwängler, *Die antiken Gemmen*, 3, 405-6, is more reasonable and helpful, noting that "the copper engravings dealer, Rossi, had obtained the plates of Agostini and also those of Stefanoni and Enea Vico, and had also leased new plates of engraved gems, antique and renaissance (which were considered antique), in various collections as the Sabbatini, Bunarroti, Strozzi, Borione, Ficoroni, del Carpio, Albani, Piccolomini, Riccardi, Vanni, Ottoboni, Odam, and others." These were the basis of the work, but Furtwängler also notes that "Rossi turned to Paolo Alessandro Maffei, who admired the Agostini-Bellori text. This text, along with the Agostini plates, was reprinted with Maffei adding his own observations." Among the added plates are those of coins and medals illustrative to several of thc appended essays. See also Zazoffs, *Gemmensammler*, 1983, p 33-49, 106, 108 comments. Vinet 1613.

4124. MAGNE, L Décor de la pierre. Paris: 1913; 284 p. Not seen.

4125. MAGNUS, PAUL WILHELM(1844-1914)

Amtliche Berichte | Über Die Internationale | Fischerei-Ausstellung Zu Berlin 1880. | [orn rule] | Botanik und Bernstein | von | Dr.P.Magnus | Professor in Berlin | [orn rule] | Berlin. | Verlag Von Paul Parey. | 1881.

8°: [1], [1 blank] p + p [201]-215 + [1 blank]p. Plain yellow wrap. 24 x 15.7 cm(9 3/8 x 6 1/8 in). Cut. LC 29-22511. Up to p 210 on botanical matters, thereafter describes Baltic amber exhibit specimens.

4126. MAGNUSON, HAROLD R Gems. *The Museum*, 7, 2, ns, Spring 1955, Newark, NJ, p 1-24, [p 25 inside back cover]; 22 fig; col photo of faceted gems on print wrap. Additional information on the collection in the Newark Museum appears on the inside front cover. 25.5 x 19 cm(10 x 7 1/2 in). Cut. JSL. Actually the text is a brief treatise on gemology illustrated by photographs of specimens in the Otto Goetzke Collection, donated to the museum in 1955 and meant to explain the collection for benefit of visitors. For a systematic catalog, see Anna H Gilbert.

4127. MAHESHWARI, SHRI ABHAYA CHAND JAJU Ratna pariksha. Not seen; cited by R P Tank, *Indian Gemmology*,

p xi, which see, as a work written in Hindi verse, which "sets forth a systematic account of the conditions appropriate for wearing the particular Gem or Gems, and their medicinal utility."

MAHLER, J, see LOTHROP, S K, et al

4128. MAHMOOD, FATIMA Golconda diamond mines. *Geografia*, Karachi, Pakistan, 4, nos 1-2, 1965, 29-46, geol map, trade-rte map, 8 photos, 48 ref; 32 biblio entries. JSL. Important history, based on researches in unpublished MSS and traveler accounts during the 14-17th centuries, AD. Diamond mines in the former kingdom of Golconda, now in the State of Andhra, India, are described in considerable detail, with production notes, etc, and sections on mining techniques and equipment, diamond cutting, administrative problems, revenues, trade, and transport. The full lists of references are particularly valuable.

MAHMUDOV, A I, see KASHKAI, M A

MAHONEY, T, see BAERWALD, M

4129. MAIER, WILHELM Brillanz geschliffener Edelsteine. *N Jb Min*, Abt A, 1936, 458-91, 18 fig, fold pl, 2 tab. JSL. Studies brilliancy in faceted gems; author believes brilliancy caused by outer + inner reflections, spectral brilliance, and "scintillation" brilliance, or effect produced by slight movements of the faceted gem. Reviews previous work, summarizes own work, describes several interesting experimental techniques, production of reflection diagrams, and tracking reflections through smoke.

4130. -----1943 Experimenteller Asterismus. *N Jb Min*, Abhandl, Abt A, Bd 78, 1943, 283-380, 45 ill; 1 insert. JSL. Asterism in garnet, ruby, rose quartz investigated and mathematical models furnished; finely-ruled plates placed under transparent hemispherical caps provide simulated star stones.

4131. -----1949

Brillanten und Perlen | Von | Dr.Wilhelm Maier | Mit 17 Tafeln, darunter 3 Farbtafeln, | 80 Abbildungen im Text und auf | 3 Beilagen sowie 16 Tabellen im Text | [logo] | Stuttgart 1949 | [rule] | E.Schweizerbart'sche Verlagsbuchhandlung | (Erwin Nägele)

8°: XII, 188 p, 17 pls(3 in col, tip-ins); Pls 4-17 are doublep, printed one side only and inserted between p 184-5); 80 text fig(fig 64-68 on a glossy paper insert & 2 text fig are fold). Black cloth, white frame enclosing white title & cut gem with pearl necklace on cover; white lett spine. 20.7 x 15 cm(8 1/8 x 5 7/8 in). Cut JSL. A 50-3928.

Cont: 1/2tp; tp; publ data; tab cont; introd; 11 chs; biblio(p 182-4, 48 entries); index.

One of the very few books to provide a scientific basis for selection of facet gem designs and their proportions to achieve maximum brilliancy. The first two chapters discuss chemistry and physical properties, especially optics of crystalline materials, while the third chapter provides a brief summary of Miller crystallographic indices and the crystal systems, followed by descriptions of individual gemstones of which there are 50 in all, and including jet and amber. The next two chapters take up lapidary work, cut styles, polishing directions in diamond, and mathematical relationships of facets treated as a problem in solid geometry. Chapter 6 is devoted to the problem of brilliancy in faceted gems and describes all of the methods used hitherto to calculate quantitatively the production of brilliancy versus facet designs, and including descriptions of apparatus used in measurement of reflectivity. The remaining chapters discuss synthetics, imitations & doublets, gem identification(with & without aids), valuation of gemstones, and, lastly, a good chapter on pearls. There are interesting diagrams of facet styles and descriptions of same according to a code devised by the author(Pls 4-17), and including among 104 designs those for the famous diamonds Star of the East, Tiffany, Regent, Pasha of Egypt, Koh-i-Noor, Nassak, several Cullinans, Dresden, Sancy, Great Mogul, and Orlov, as well as standard designs invented or recommended by Peruzzi, Rösch, Maier, and Miethe. An extremely important contribution to the problem of facet gem design and containing information not to be found elsewhere. Rev *J Gemm*, 2, 6, 1950, 235-6.

4132. MAINE GEOLOGICAL SURVEY Maine pegmatite mines and prospects and associated minerals. *Maine Geol Survey Mineral Resources Index* No 1, Augusta, Mar 1, 1357. Centerstapled: 43 p; 18 maps. Bright yellow paper wrap, cover title. 28 x 21.6 cm(11 x 8 1/2 in). Cut. JSL. Deposits listed according to area and appropriate map, with name of deposit, township, USGS quadrangle map, sources of further information, and minerals found. There is another list of deposits by county & township. Index maps are supplemented by detailed deposit maps. Includes gemstone sources.

4133. -----1965(?)

Maine | Mineral | Collecting | Geological Survey | Maine Department of Economic Development | Augusta, Maine [title from wrap]

Centerstapled: [22]p including inside covers; 8 photos; 4 sketches; 11 sketch maps. Black wrap, title & sketch on covers in yellow & white. 22.9 x 10.1 cm(9 x 4 in). Cut. Free. JSL. Tourism-promotional pamphlet: general information on minerals & deposits, including gemstones, with principal places to visit, each accompanied by a sketch map, travel instructions, and information on what can be found.

MAIRAN, JEAN JACQUES DORTOUS DE (1673-1771)

Fr physician, mathematician, writer. *Biogr Univ*, 26, 289-91, portr.

4134. -----1764

Extrait a Du | Journal | Des | Sçavans, | Du Mois De Décembre, | Sur une Pierre Gravée Antique. | [orn] | A Paris, | De l'Imprimerie de Michel Lambert, | Rue des Cordeliers. | [double rule] | M.DCC.LXIV. | Avec Privilege Du Roi.

8°: 64 p; A-D^8; tip-in front engrav pl; text engrav. 19.7 x 12.1 cm (7 3/4 x 4 3/4 in). Uncut. USGS Kunz Coll, GS 34-551. A letter to Comte de Caylus commenting at length upon the engraved gem depicted in the frontispiece plate.

MAKAROV, N N, see ZRYAKOVSKIY, M S

4135. MAKAROV, V K

Gosudarstvennye Ermitazh [heavy rule underline] | V.E.Makarov | Tsvetnoi Kamen | V Sobranii Ermitazha | Leningrad, 1938

8°: 122, [2]p; col pl on glossy paper tip-in; 25 photos. 103 fig. Thick tan paper wrap, orn lett, urn, & black lett in orn pink frame on cover; price on back cover; wrap edges overlap text. 22 x 15.2 cm(8 5/8 x 6 in). Cut. 6 r. 1000 copies. JSL.

Cont: tp; publ note; pl; introd; gemstone summary; two-part catalog; ref; publ data.

Catalogs the small to very large objects fashioned from colored stones in the Hermitage Museum, Leningrad. Includes those made from true gemstones, ornamental rocks, and veneered objects as well as intarsias(pietre dure). The introduction is historical both for objects manufactured in Russia and those imported prior to the Revolution as the splendid tables and objects from Italy and France. The gemstone summary lists the materials alphabetically, with descriptions, beginning with aventurine and ending with jasper (yashma). A total of 325 objects are described, with full details on each, and with small drawings in the margins to show profiles. The photographs depict some of the larger and better-known stone objects, and also inlaid tables, vases, malachite objects, and others. The photographs are uniformly poor.

MAKENS, HENRICUS, see KLEIN, JOHANN

4136. MAKSIMOVA, M I

Pamyatniki Gosudarstvennogo Ermitazha. I. [underlined] | M.I.Maksimova | Kameya Gonzaga | Leningrad 1924

4°: 23, [1 blank]p; 2 line drawings; small glossy cut-out photo pl mounted on p 17; fullp photo pl of the cameo appended to text. Pale gray wrap, title on cover. 31 x 22 cm(12 1/4 x 8 5/8 in). Uncut. 600 copies. JSL.

Detailed history & description of the "Gonzaga" cameo, 15.7 x 11.8 cm, carved from a multi-layer sardonyx, and the pride of the engraved gem collection in the Hermitage Museum in Leningrad. The cameo depicts the busts of Ptolomy II and Arsinoë and is dated to 3rd C BC. See O Neverov, *Antique Cameos in the Hermitage collection*, 1971, for a recent description and color photograph of this gem.

4137. -----1926

Gosudarstvennye Ermitazh | [rule] | Reznye Kamni | XVIII i XIX vv. | Putevoditel Po Vystavke | Sostavila | M.I.Maksimova | Izdanie Gosudarstvennogo Ermitazha | Leningrad. 1926

Centerstapled:37, [3]p; 2 photo pls(24 gems) tip-in at end. pale gray wrap, title on cover. 27.2 x 18 cm(10 5/8 x 7 in). Uncut, 450 copies. 1 r. Paper browning. JSL.

Cont: tp; approval & publ data; introd; text; biblio(p 39, 9 entries); pl explan; pls.

On the important engraved gem collection, comprising examples from the 18th-19th centuries, preserved in the Hermitage Museum, Leningrad, giving the history of the collection, collectors & dealers from whom the gems were acquired, and descriptions of notable examples.

4138. -----1926

Gosudarstvennyi Ermitazh | [rule] | Antichnye | Reznye Kamni | Ermitazha | Putevoditel Po Vystavke | Sostavila | M.I.Maksimova | Izdanie Gosudarstvennogo Ermitazha | Leningrad. 1926

8°: 101, [2], [1 blank]p; 4 photo pls on stiff, pale tan paper, hinged & sewn-in; 5 fig; numerous numerical diagrams in text. V pale gray wrap, cover title; edges overlap text. 23 x 15 cm(9 x 6 1/4 in). Uncut. 450 copies. JSL.

Cont: tp; quot & press data; pref; introd; catalog; biblio(p 102, 9 entries); pl explan; blank p; pls.

Guide/catalog to the engraved gem collection in the Hermitage Museum, Leningrad. The introduction gives general remarks on engraved gems, the materials used, and the techniques employed in cutting(to p 28). This is followed by the catalog in two sections, the first on intaglios subdivided into several exhibits according to epoch, country of origin, style, etc, plus numerous diagrams in the text in which the numbers are arranged to correspond to the order in the exhibit cases. The second part, much shorter, and without subdivisions, is on cameos. The plates depict 13, 9, 9, and one gems, the last being the famous, large cameo known as the Gonzaga. The paper is browned & brittle and probably many copies have disintegrated.

4139. MALAISE, MICHAEL Les scarabées de coeur dans l'Egypte ancienne. Brussels, 1978. 94 p, 9 pls. Paper. 28 x 22 cm. Not seen: T.Heneage, London, Cat 1985, no 913.

MALEPYRE, FRANCOIS, see JULIA DE FONTENELLE, J S E

4140. MALFATTI, GIOVANNI Osservazioni sopra alcuni insetti fossili del' ambra e del copale. 8°. Milano. 1878. pp 15. (*Atti Societa Italiana di Scienze Naturali e del Museo Civile di Storia Naturale*, Milano, 21, 1878, 181-95). Not seen: from Scudder, *Biblio Fossil Insects*, p 70, who adds "of a general nature, but contains at the close a list of additions to the Museo civico with remarks; and three pages of bibliography are appended."

4141. MALLÉ, LUIGI

Museo Civico Di Torino | Luigi Mallé | Vetri - Vetrate - Giade | Cristalli Di Rocca E Pietre Dure | Torino 1971 [by the museum]

8°: 405, [1 blank]p; the ill pages are unnumb; 116 photos of glass objects(11 col); 36 photos of painted glass(stained glass, mostly windows, 8 col); 47 photos of hardstone carvings; 19 photos of hardstone & other materials ornamental objects(1 col). Dk maroon unfin cloth, gilt spine & cover titles. 23.6 x 16.8 cm(9 1/4 x 6 1/2 in). Cut. JSL.

Cont: blank f; tp; copyright note; ackn; text; other publs of museum; catalog; blank p.

Catalog of ornamental objects in the collections of the Civic Museum of Turin, Italy in the following classes: blown & engraved glass, painted & stained glass, hardstone carvings in a section entitled "Jades" though few objects are of this material, also rock crystal carvings, and intarsias in hardstones. Each section is supplied with a brief explanatory text, a list of references, a catalog, and numbered photographs. The 47 objects in the "jade" section, p 313-60, 16 references, include only 3 jade pieces, the remainder being small animal carvings, statuettes, urns, etc, mostly in rock crystal, several in smoky quartz, also many in cryptocrystalline quartz, and one in lapis lazuli. Another section describes 19 rock crystal carvings, agate bowls, and stone intarsias, of which one is shown in color, and providing on p

361-400, a brief essay in addition to the catalog and a list of 39 references.

4141A. MALLET, F R

A Manual | Of | The Geology Of India. | Part IV: | Mineralogy | (Mainly Non-Economic). | By | F.R.Mallet, | Superintendent, Geological Survey Of India. | [rule] | Published by order of the Government of India. | [rule] | Calcutta: Sold At The | Office Of The Geological Survey Of India; | And By All Booksellers. | London: Trübner & Co. | [rule] | MDCCCLXXXVII. | Price Rs. 2. [1887]

8°: XI, [1 blank], 179, [1 blank]p + [8]f bearing Pls I-IV with explan f. Brownish-orange cloth, black frames both covers, the front with gilt title & crystal drawing(apophyllite?); gilt spine title, rules; bright endp; blank flyleaves extra. 25 x 17 cm(9 3/4 x 6 3/4 in). Cut.

Cont: 2 flyleaves + l/2tp; tp; pref; tab cont; text; append A, B; index; blank p; pls sect + 2 flyleaves.

The minerals are arranged from native elements to hydrocarbons, following the Dana system. Gemstones include diamond(extremely brief notes), corundums, spinel, chrysoberyl, crystalline & cryptocrystalline quartzes, including cat's-eye variety, silicified wood, opal, jade, garnets, zircon, feldspars, tourmaline, and others of lesser importance.

MALLOY, R L, see AHRENS, J R

4142. MAMIN-SABIRYAK, D N Samotsvety. *Russkaya Mysl*, kn 3, 1899, 155-202; kn 4, 101-25. On Russian gemstones; not seen.

4143. -----1937 Samotsvety. V.sb. "Samotsvety Urala. Ocherki i rasskazy." Sverdlovsk, 1937, p 5-59. Not seen: on tke Urals gemstones, descriptions, and legends attached to them.

4144. MAMUROVSKII, A A Mestorozhdenie nefrita na gore Bikilyar [Nephrite from Mt Bikilyar]. Publications of the Petrographical Institute *Lithogaea*, Moscow, no 5, 1918, title in Russ & Engl. Edgestapled: 52, [2], [2 blank]p, 3 glossy photo pls of thin sects. Pale gray print wrap. Summary: G.M.Born, 1982, p 241. Petrographical study that does not state if the nephrite is of lapidary grade.

MANCHESTER, JAMES GREENFIELD(1871-1948)

USA businessman, amateur mineralogist, writer; b Fall River, MA. Obit *Amer Min*, 34, 1949, 253; *R & M*, 18, 5, 1043, 145, also ibid, 23, 11/12, 1948, 916-8, portr, 8 biblio entries.

4145. -----1931

Bulletin Of The New York Mineralogical Club | Volume 3, No.1. | [rule] | The Minerals of | New York City | and Its Environs | By | James G. Manchester | [rule] | New York | Published By The Club | January, 1931

8°: front f + 168p + [71]f + XVII p + [blank]f. Pl 1 is front, Pls 2-127(photos) on rectos of 68 f, the other 3 f in the the pls section being titleleaves; fold index map after pls, tip-in. All pls are bound-in. Dk green cloth, gold lett spine, title in gold on cover within rect frame. Pale tan endp. 23.7 x 15.5 cm(9 3/8 x 6 1/8 in). Cut. $2.50. JSL. see special issue below. LC 31-5571.

Cont: front; tp; publ data; note; tab cont; ill list; introd; 3 lists; biblio(p 123-68, 848 entries & listing maps, serials); ill(of minerals) tp; pls; ill(of mines & quarries, etc) tp; pls; ill(field trips) tp; pls; fold sketch map; mineral index; description of the club with list of officers; blank f.

Admirably thorough, as esteemed today as then for its full information, accuracy, and the large number of uniformly excellent photographs, many of which are now historically important. The frontispiece plate and Plate 2 depict facet and cabochon gems made from local materials, the sources for which are embodied in the text but not separately discussed. Although the exact number is not known, a very small number of copies were fitted with a special frontispiece plate in color, pasted to a stiff yellowish paper leaf inserted in lieu of the regular frontispiece: 15 x 17 cm(6 x 4 1/4 in). Rev: S G Gordon, *Amer Min*, 16, 5, 1931, 227-8; *R & M*, 6, 2, 1931, 84.

4146. -----1941 Collecting semi-precious stones in Florida. *R & M*, 16, 12, 1941, 435-54, tab, 16 ref, 14 figs(map). On the Tampa Bay silicified coral geodes; reviews previous literature, life history corals, geological history of the bay area, formation of geodes, collecting practises, types. Important, still very useful.

4147. MANDARINO, JOSEPH A (1929-) Refraction, absorption and biabsorption in synthetic ruby. *Amer Min*, 44, 9/10, 1959, 961-73, 6 fig, 7 tab. Based on the author's doctoral dissertation on similar subject, University of Michigan, 1958(not seen). Demonstrated changes in properties in synthetic ruby specimens with varying dosages chromium oxide.

MANDEVILLE, Sir JOHN, or JEAN DE MANDEVILLE, and other variants

Under this name is ascribed a 14th century lapidary which is most readily consulted in Del Sotto's *Le lapidaire du quatorzième siècle*, 1862, which see. The original author is unknown but probably is not the same as he who wrote the enormously entertaining *Travels* under the pseudonym given above in which mentions of precious stones appear in numerous places. Good notices of this work may be found in W T Lownde *Bibliographer's Manual*, and in S A Allibone *A Critical Dictionary*. There is an extended discussion of the travel writings in DNB but little is said of the lapidary, however L Mourin's " Les lapidaires attribués à Jean de Mandeville et à Jean de la Barbe," in *Romanica Gandensia IV, Études de Philologie Romane*, Gent, 1955, 159-91, (not seen), may provide more details. Brunet, *Manual de libraire*, vol 3, 252-5, notes the existence of a first printed edition entitled Le *Lapidaire français*, composed by Jehan de Mandeville, Chevalier, Lugduni: Ludovici Lanchard, no date, a small 8° of 24 leaves. Following appeared a 16° published before 1580 of 29 leaves and containing 2 small woodblock vignettes. Another edition was published in Paris by Alain Lotrian, and finally, the Paris, 1561 edition described by Del Sotto.

4148. -----1500, ca Le lapidaire en francoys compose par messire Iehan demandeuille cheualier. [Paris: Michel Le Noir, ca 1500].

[12] f; 19 cm. A-B^6. Not seen: from *Hoover Coll Catalog*, 1980, p 131, no 555. Not in Brit Mus, Bibliotheque Nationale, NUC Pre-1956 imprints, Brunet, Hain-Copinger, or Goff, but mentioned in Cabeen, D C, *A critical bibliography of French literature*, I. The mediaeval period(Syracuse, 1952), 492; also in Klebs, A C, *Incunabula, scientifica et medica*(Bruges, 1938), 216. Cabeen refers to Klebs, who refers to Voynich Cat 31, no 143(1912?). Furthermore, a note with the Hoover copy stated

that it was "newly discovered, probably editio princeps." However, the edition listed earliest in most bibliographies was printed by Ludouicus Lanchart, Lugduni, ca 1520. See L Pannier *Les Lapidaires français du moyen age, des XII^e XIII^e et XIV^e* siècles, Paris, 1882, p 201.

4149. -----1515, ca

Le Lapidaire en fran | coys compose par messire Iehan | de Mandeuille Chevalier | ℭVenundantur Lugduni in offici | na Ludouici Lanchart Cõmorantis | ante intersignium Magdalene.

No date, ca 1515. 8°: 24 f, 25 lines to the p; signed a-c. Not seen, from vol 1, p 92-3, of *Catalogue des livres de la bibliotheque de M.Le Baron James De Rothschild*, Paris, 1884, in which the titlepage is photographically reproduced. This edition may have been reprinted in Lyons, ca 1520.

4150. -----1544 Le lapidaire en francoys. Contenant la proprieté & vertu de plusiers pierres precieuses. Et les nomes & couleurs desdictes pierres et les lieux ou ilz croissent. Auecq le liure techel des philosophes & des Yndoys faict des infans d'Israel. Translaté de latin en francoys par messire Iehan de mandeuille cheualier. Paris, Per Alain Lotrian, 1544.

24 f, 13 cm. Sigs: A-C^8. Colophon: [leaf orn] "Cy finist le lapidaire en francoys nouuellement imprime a Paris". Title vignette; orn inits. Not seen, foregoing from *Hoover Coll Cat*, 1980, p 132, no 556.

4151. -----1561 Le grand lapidaire, où sont declarez les noms de Pierres orientales, avec les Vertus et Propriétes, d'icelles, et ilees et pays où elles croissent. Paris, 1561. 12°. Not seen.

4152. MANGIN, ARTHUR

Pierres | Et Métaux | Par Arthur Mangin | [rule] | Illustration | Par Clerget, Yan'Dargent Et Gerlier | [logo] | Tours | Alfred Mame Et Fils, Editeurs | [rule] | M DCCC LXXI

12°: 388 p; 20 fullp wood engrav, one is front, remainder on f that are otherwise blank but integral in gatherings and includ in pag; 10 text wood engrv. Various bindings. 21 x 13.3 cm(8 1/4 x 5 1/4 in). JSL.

Cont: 1/2tp; publ data; front; tp; introd; text; tab cont.

First part on stones in 27 chapters: all kinds useful in construction, in the arts, and for ornament, with most chapters devoted to gemstones and ornamental stones as marbles, alabasters, serpentine, jade, agates, opal, crystalline quartzes, and other gemstones of lesser importance, then the major gemstones as sapphire & ruby, diamond, spinel, topaz, beryl, etc. There is a final chapter on the "moral and economic" considerations of gemstones, and false stones. Excellent illustrations.

4153. -----1875, Engl transl

Earth | And Its Treasures: | A Description of the Metallic and Mineral | Wealth of Nature. | By Arthur Mangin, | Author Of "Mysteries Of The Ocean," "The Desert World," Etc. | Edited, And With Additions, | By W.H.Davenport Adams. | [rule] | "Thus far into the bowels of the earth." - Shakespeare. | [rule] | London: | T.Nelson And Sons, Paternoster Row; | Edinburgh; And New York. | [rule] | 1875. [title in single-rule frame]

8°: xii, 405p + [6]p advert(other printings with different number of advert pages); front pl & title on heavier paper and supplied as a single folded sheet and includ in pag; 9 fullp wood engravs with reverses blank and includ in pag; 42 text cuts. New illustrations appear in this edition while some of the originals of the French edition are retained in fullp size but others were reduced and used as text figs. Green or terra cotta cloth, black frame with corner stars enclosing title & vignette in gold on cover(cross-sect of a Cornish mine) trimmed to rectangular outline(this vignette was also used by the publisher on the cover of John Gibson's *Chips From The Earth's Crust*, 1886, which see). Gold & black rules & gold lett on spine with small faceted gem & logo. Back cover blind elaborately designed frame. V pale tan endp. Bev bds. 17.5 x 12 cm(6 7/8 x 4 3/4 in). JSL.

Cont: front; tp; pref; tab cont; introd; text; index; advert.

William Henry Davenport Adams, b 1829, began his career as a journalist but moving to London he commenced translating and compiling an astonishing array of books on many subjects, by no means confined to sciences or natural history. Allibone, *Supplement*, 1, notes nearly 50 books written by him by 1875, while by 1888, the total had increased to 114 titles! In the preface to the present work, Adams asserts that he made "very considerable additions and omissions... and the whole has been subjected to careful revision." This is indeed the case and while the arrangement closely follows the original, it is apparent that much has been completely rephrased and augmented with new information, eg, quotations from Orpheus' Lithica, taken from C W King's *Natural History of Precious Stones and Gems*, 1865, others also from King, and from Shakespeare. A visually and mentally attractive work.

MANNING, EVE, see BAZHOV, P P

4154. MANNIX, J BERNARD

Mines | And Their Story | By | J.Bernard Mannix | [logo] | London | Sidgwick & Jackson Ltd | 1913

8°: xviii, 337, [1]p; front col pl with tissue, tip-in + 60 photos on 47 tip-in glossy pls; 30 fig; orn inits. Purplish-blue cloth, blind chain border on cover with gold lett, a pick & shovel orn, and a recess in which is inset a rect col pl(7.2 x 9.9 cm). Gold pick & lett on spine. 23.9 x 17.2 cm(9 3/8 x 6 3/4 in). Fe untrimmed. Pale gray dj with same ill as on cover pasted on with letterpress & reviews. JSL.

Cont: 1/2tp; other bks of publ; front; tp; publ data; pref; tab cont; ill lists; 20 chs in 5 sects; index; publ data.

The five sections deal with gold, diamonds, silver, coal, and iron. The diamond section, Chs 7-9, p 107-55, provides a history, description of the diamond mines of South Africa, and notes on famous diamonds. The frontispiece color plate depicts 6 famous cut diamonds and the 21 1/2 carats "Jacob's Plaything," the diamond that set off the South African rush. The information is readily assimilable and accurate. A handsome work.

4155. -----1913, Philadelphia

Mines | And Their Story |...|Philadelphia: J.B.Lippincott Company | London: Sidgwick & Jackson Ltd | 1913

Cover blue cloth; teg; else identical. $3.75.

4156. MANNUCCI, UMBERTO

Manuali Hoepli | [rule] | Umberto Mannucci | [rule] | Le | Pietre Preziose | [rule] | Pietre Preziose naturali | [rule] | Pietre Preziose Ottenute Artificialmente | Mediante Processi Chimici | [rule] | Imitazione Delle Pietre Preziose | (Pietre

False) | [rule] | 23 incisioni e 14 tavole, di cui 12 in cromolitografia | [logo] | Ulrico Hoepli | Editore Libraio Della Real Casa | Milano | [rule] | 1911 [title in red & black]

8°: XVI, 398, [2 blank]p + 63, [1]p cat of publ bks on pale green paper, bound-in; 14 tip-in doublepls(7 col, 5 monochrome, 2 plain); 23 (recte 24) fig. Each pl with center tissue insert. Stapled signatures. Pale olive-green cloth, elaborately & colorfully decorated with cut gems over and ornamental frame enclosing title on cover; black lett, rules, title & cost on spine. Pale tan endp with pattern of house name. Corners rounded. 14.8 x 10 cm(5 7/8 x 4 in). Cut. Lire 6.50. JSL. Also a later issue in very pale pink paper overlapping text; black cover & spine title; spine price now lire 15; p size same but corners square; publ bk cat omitted.

Cont: blank f; 1/2tp; tp; publ data; tab cont; pref; text in 5 parts; append; index with own tp; blank f; advert.

The first edition of a popular, comprehensive work on gemstones; for many years it provided the only readily available reference in Italian. Part 1 properties, uses of gems, weights; 2 descriptions beginning with a long chapter on the diamond, 61-141, followed by a short discussion on cutting styles, and then resuming with corundum gemstones and others; 3 a good summary of the process of gemstone synthesis and the stones made by same; 4 imitations and falsifications arranged by the gemstone they are designed to replace; 5 tables of properties by color; the appendix treats pearls and coral. The color plates are copied from Bauer's *Edelsteinkunde*, and include those in monochrome and line; the latter are sharp but the color plates are considerably less distinct than in the original work. This edition was reprinted at least once in 1917: a textually identical version but printed on thinner and cheaper paper, bound with greenish, horizontally veined rough paper over bds, with title & logo in black on cover & spine. The endpapers are plain white; sewn gatherings; square corners. Though "1911" appears in the title, the new adverts are dated "1917."

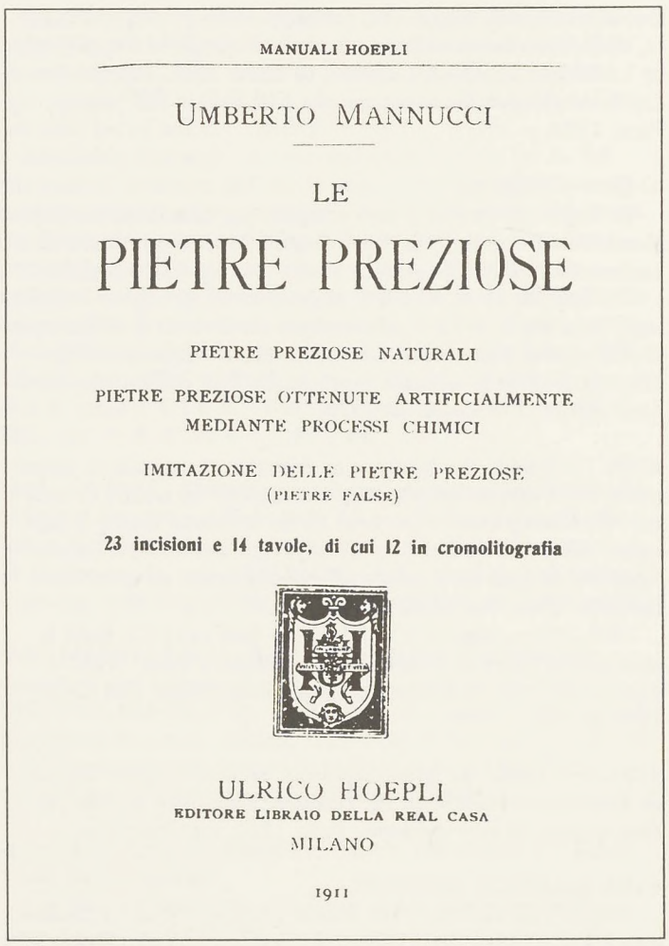
4157. -----1929, 2nd edit, rev by M Simondetti

Manuali Hoepli | [rule] | Le Pietre Preziose | [rule] | Pietre Preziose Naturali | (Pietre Fine Della Gioielleria) | Pietre Preziose Artificiali | Ottenute Mediante Processi Chimici | (Pietre Scientifiche Della Gioielleria) | Imitazione Delle Pietre Preziose | (Pietre False) | [rule] | 27 incisioni e 16 tavole doppie, di cui 8 in cromolitografia | Seconda edizione riveduta ed aumentata | A Cura Dell'Ing.Mario Simondetti | [logo] | Ulrico Hoepli | Editore-Libraio Della Real Casa | Milano | [rule] | 1929 [title in red & black]

8°: [blank]f + XVI, 399, [1 blank]p + [blank]f; 27 fig; 16 doublep litho pls bound- & tipped-in(8 col) with loose tissue inserts. Pale tan-gray cloth, elaborate gem-studded panel in color on cover enclosing title; black spine title; black lett on back cover. Pale yellow-tan Hoepli endp. 15.1 x 10.1 cm(6 x 4 in). Cut. BM(NH).

Cont: blank f; 1/2tp; tp; publ data; tab cont; pref to ist edit; pref; text; append; index; blank p; blank f.

Corrects inaccuracies and introduces new material on gemstones that entered the gem trade since the first edition. There is a new color plate, No 16, of zircons, spodumenes, beryl, phenakite, and others, and another plate of famous diamonds (Cullinan, rough & cut). Pl 8 is slightly changed by the addition of a cut sapphire; the cutting style plates are no longer in monochrome but in black ink.


MANUALI HOEPLI

UMBERTO MANNUCCI

LE

PIETRE PREZIOSE

PIETRE PREZIOSE NATURALI

PIETRE PREZIOSE OTTENUTE ARTIFICIALMENTE MEDIANTE PROCESSI CHIMICI

IMITAZIONE DELLE PIETRE PREZIOSE (PIETRE FALSE)

23 incisioni e 14 tavole, di cui 12 in cromolitografia

ULRICO HOEPLI
EDITORE LIBRAIO DELLA REAL CASA
MILANO

1911

4156. Titlepage to a popular general work on gemstones in the Italian language and notable for its use of Bauer's "Edelsteinkunde" chromolithographs

4158. MANOYIAN, ZEVART

The Gemsters | Zevart Manoyian, M.D, | [vignette] | 1969 | Todd-Z Corporation | Opa-Locka, Florida

16°: 144 p; 15 line drawings. Pale tan cloth, red lett spine; col dj, with resume, vita, author portr. 21.4 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. $4.95. JSL,

Cont: 1/2tp; tp; publ data; dedic; tab cont; 20 chs.

The author, a graduate of Women's Medical College of Pennsylvania and a general practitioner in Miami, Florida writes about her family's experiences during a mineral & gemstone collecting trip to the rock crystal and diamond deposits of Arkansas and various collecting sites in North Carolina.

4159. MANSFELD, FRANZ

Dr.Fr.Mansfeld | Corresponsal del Museo de la Plata | [rule] | Piedras | Preciosas | su significado e importancia en el sentido | Cientifico | Economico | Artistico | y | Oculto | En estilo popular & considerando especialmente los yacimientos de | La America Del Sud | Ademas este libro contiene: | 6 laminas en colores y 27 ilustraciones | [dot] | Editorial [double rule] | Nicolas B.Kier | [double rule] Buenos Aires [1942]

In another copy: publ at bottom of tp covered by a slip of paper bearing "Distribuidores: | "Libreria Et Ateneo" | Florida 340/44 | Buenos Aires"

8°: 200 p; 6 glossy col photo pls tip-in(all of rough & cut rhodochrosite, save one pl(fold) of silicified wood, labeled "pinas petrificadas" and resembling cycads); b&w glossy photo portr of author bound-in ahead of title; 6 b&w photos on 4 bound-in glossy pls(views & mining operations for rhodochrosite); 15 text sketch maps(one is accompanied by a tip-in legend, while another map (p 154) is tip-in, folding). Pink corrigenda slip tip-in at ill index. Thick tan col-dec wrap, title in white on a rect panel on front cover surrounded by a margin of col gems; spine title; back cover plain except for price of $4.80. 20.8 x 15 cm(8 1/8 x 5 7/8 in). Uncut. Paper badly browning, embrittled, but wrap & pls in vg condition. JSL.

Cont: laud; caption to col pl(p 3) of rhodochrosite which somewhat resembles the outline of South America; author portr; tp; print data; ill index & corrigenda; ann gemstone prod stats; general index; the 14 points covered for each gemstone; prologue; prologue on occult significance of gemstones; hardness scale; alphabetical list of gemstones with hardnesses; synthetic gemstones; principal text; astrological lore; astrological color science & gemstones appropriate for wear according to zodiacal periods; other works of the author.

A fascinating if chaotically organized popular work on gemstones which places most emphasis on those found in South America and especially lauding the rhodochrosite of Catamarca, Argentina, in which deposit the author had a proprietary interest. There are 61 gemstones treated, including varieties, and much on the curious lore of gemstones. Crude sketch maps are scattered throughout showing approximate locations of gemstone deposits in the several countries which produce them. The color plates, all of rhodochrosite, save one are of good quality and the paper well preserved. There are also a good portrait of the author and views of miners & mining at the famous Catamarca rhodochrosite mine. A very scarce work with most copies probably having disintegrated by now.

4160. -----1943

Dr.Franz Mansfeld | [rule] | En Busca | De La | "Rosa Del Inca" | Además este libro contiene: | 160 Fotos | 17 Dibujos | 7 Mapas | 4 Documentos | 14 Lámínas en colores | [dot] | Editorial Del Autor | Buenos Aires [1943]

A slip pasted to foot of titlep reads: "Distribuidor: Librería y Editorial " El Ateneo" | Florida 344 - Córdoba 2099 - Buenos Aires"

Cover title reads: "2a.Edición La lra.Edición fué editada para el | Superior Gobierno Nacional, | Generales y Coroneles del Ejército Argentino"

The above suggests there is a first edition but I have not been able to find any reference to same and I assume the present work is the first.

8°: 194, [2]p; 14 col photos on 12 tip-in glossy pls; 7 sketch map; 17 drawings in pen & ink; 4 document photos; 160 photos(several multiple). Thick pale tan wrap, elaborate col drawing with col lett on cover showing a mine owner(Mansfeld?) crushed under rocks bearing incised captions as "Secretos," "Intrigas," etc(see below); pale blue panel back cover; spine title. 26.8 x 18.3 cm(10 1/2 x 7 1/4 in). Cut. Wrap overlaps text. JSL.

Cont: 1/2tp & dedic; quot; tp; author portr; col pl; tab cont; publ data; prologue; two photos; second col pl; prelude; suppl to prelude; text; [2] advert p.

As before, a chaotic though most interesting assemblage of facts and opinions, relating the author's experience with the beautiful banded massive rhodochrosite of the Minas Capillitas, Catamarca Province, Argentina, and his determination to exploit the deposit commercially, once he had found through visits abroad that there was a demand for the material. The major part of the text is devoted to accounts of his trials and tribulations in establishing the true source of the rhodochrosite, obtaining rights to mine, road-building, and other preparations that were necessary before production could begin, not to mention the administrative and financial difficulties that were placed in his path by government officials. His bitterness is evident in the many caustic asides that are sprinkled through the text and the several equally caustic pen & ink sketches as well as the cover sketch previously mentioned. The color plates are good and form the greatest number of illustrations assembled in one place of the many finished rhodochrositc slabs, articles, and jewelry items made from this attractive material, especially when cut from the stalactites. The color images are printed on one side of stiff sheets against a glossy yellow background, with reverses being plain white; scale is indicated. One plate, however, depicts native gold objects and another cabochons of malachite. The author was a dealer in gemstones in Buenos Aires and also wrote on other subjects besides gemstones. A rare work. See also his"Rodonita y rodocrosita," *Revista Geografica Americana*, 27, 170, 1947, 225-34, Buenos Aires.

4161. MANSFIELD, G R Some deposits of ornamental stones in Montana. *USGS Circ 4*, 1933, p 1-22, Pls i-vi; includes calcite onyx.

4162. MANSUR or MANSOUR, MOHAMMED or MUHAMMED, IBN(fl 9th c)

A Persian writer who flourished in the 9th century AD. He is known today for having written a precious stones book of unusual merit. Joseph, Freiherr von Hammer-Purgstall(1774-1856), an eminent German orientalist and master of ten languages, provides what appears to be the first translation (in German) in his *Fundgruben des Orients*, a 6 volume work, published in Vienna, 1810-9. A vague reference indicates that the work, or parts thereof, was published as "Kniga o dragotsennykh kamnyakh Mogameda Ben-Manssura," *Gornyi-Zhurnal*, kn 1, 1828, p 3-18(not seen). H Fischer, *Nephrit u Jadeit*, 1880, p 175-6, which see, discusses jades and jade-like materials as mentioned by Mansur. J E Pogue, *The Turquoise*, 1915, notes that a good account of turquoise in Persia appears in a section on that mineral by Mansur that was translated into German by Schindler, *Jb kk Geol Reichsanstalt*, Wien, 36, 1886, p 303-14. C W King, *Natural Hist of Prec Stones and of the Prec Metals*, 1867, 14, states that Mansur "may justly claim the honour of being the first since Pliny... to compose a really scientific and systematic treatise upon this branch of Mineralogy. This was his "Book of Precious Stones," dedicated to the Abasside Sultan of Persia, Abu Naser Beharderchan," and further, "the knowledge of the true characters of the different species displayed in every one of his articles is absolutely marvellous, considering the age in which he wrote."

4163. MANTELL, C L

Natural | Resins | Handbook [printed in white lett atop a fullp b&w photo; publ by the American Gum Importers Association, Inc., Brooklyn, NY,1929]

8°: 96 p; red cloth, title & address on cover in orn frames; black spine title. 28 x 21.6 cm(11 x 8 1/2 in). Cut. JSL.

Cont: tp; mbr list; introd ltr; tab cont; introd; text; biblio of 28 entries.

A large number of natural resins are briefly described with physical and chemical properties given, tables of solubilities, solvents, and other data useful to the manufacturer employing such resins. Included are recent and fossil resins, among them kauri and copal. The association published three other tracts on the same subject, published respectively in 1936(36 p), 1937-8(64 p), and 1938-9(36 p), none seen.

MANTELL, GIDEON ALGERNON (1790-1852)

Eminent Brit geol, paleontologist; b Lewes, Sussex; MD, FRS, received Wollaston Medal of the Geol Soc of London; noted for discoveries of fossil animals; wrote many works, some in popular vein and much esteemed. See DNB, also E C Curwen, *The Journal of Gideon Mantell*, Oxford Univ Press, 1940.

4164. -----1836

Thoughts On A Pebble; Or A First Lesson In Geology. 1836. Not seen; I have had the opportunity to examine only the 6th edit of 1842, the 7th of 1846, and the 8th of 1849; considerable variations in substance, illustration, and design exist among the editions, and only the 6th edition is fully described below. LC 9-3264 = 8th edit.

4165. -----1842, 6th edit

Thoughts | On A | Pebble; | Or A First | Lesson In Geology. | By The Author Of "The Wonders Of Geology." | [wood engrav vignette] | The Nautilus and the Ammonite. Vide p.40. | [rule] | "There is no picking up a pebble by the brook-side, without | finding all nature in connexion with it." | Contemplations of Nature. | [rule] | Sixth Edition. | [rule] | London: | Relfe And Fletcher. | [rule] | 1842.

8°: [1], [1 blank], 42, [1], [1 blank]p; 2 tip-in hand-col litho pls with tissues, one is front; 1 text wood engrav. Yellow-green cloth, blind-embossed, with title in gold surrounded by a circular gold wreath on cover; blind-embossed back cover; pale yellow, dull-surfaced endp. 13.3 x 10.3 cm (5 1/4 x 4 in). Aeg. JSL.

Cont: 1/2 tp; front; tp; print data; dedic; quot; text; poem; advert.

"I shall confine my remarks to a flint pebble, as being the kind of stone familiar to every one," states Mantell, and then goes on to show how such siliceous concretions originate within the chalk and what they look like when opened through "the assistance of the lapidary," the two hand-colored plates showing a whole pebble with fossiliferous imprints and the second plate the internal patterns after cutting and polishing. Such pebbles, common objects for the pebble collector along the coasts of the South of England, were regularly taken to local lapidaries in beach resorts for precisely the treatment that Mantell accorded his specimen.

The 7th edition, 1846, is similar in blue embossed cloth, with the same colored plates but with 11 text cuts and enlarged text. The 8th edition of 1849 is much larger in size, 16.3 x 13.9 cm(6 3/8 x 5 1/2 in), with a fine steel engraved portrait of Mantell as the frontispiece and with four hand-colored plates of better quality than before, and 32 text engravings. This edition is listed by Ward & Carozzi 1488; JSL. It is in all respects far better than the previous editions in terms of content and illustrations.

MANUTIUS, A, see GORLAEUS, A, 1609

4166. MAPPIN & WEBB

A | Short Treatise | concerning | Precious Gems. | [3 orns] | Copyright. | Entd. Stationers' Hall., | London: | Published by Mappin & Webb, Limited, | 2, Queen Victoria Street, E.C. [nd, ca 1900?]

Centersewn, green silk cord, external knot: [2 blank]p + p[3]-30 + [2 blank]p; the end blank leaves serve as pastedowns lining the wrap. Grayish-blue wrap, silver title on cover with a bottom line stating "This will interest you." Wrap overlaps text; rounded corners. 13.4 x 8.4 cm(5 1/4 x 3 3/8 in). Cut. JSL.

Cont: blank f; tp; pref; text; note; blank f.

Very brief descriptions of twenty common gemstones but including the relatively rare sphene(!); for customers of this long-established jewelry firm in London.

4167. MAR, PETER G The use of precious stones in ancient medicine. I.Some inherent properties underlying their use in the Occident. II.Some natural gemstones used in Chinese medicine. *The China J*, Shanghai, 34, 2, 1941, 78-88; 220-32. I mentions ancient Western beliefs in curative powers of stones while II gives an account of the Chinese materia medica "T'sao-Kang-Mu" written in 1597 by Li Shih Chen. Four volumes of the latter were devoted to 160 kinds of minerals and gemstones. The oldest Chinese herbal, the "Pen Ching" by Shen Nung, 2838 B C, mentions various stones useful in medicine. Not seen; from BMC.

MARBOD, or MARBODE, MARBODEI, MARBODUS, MERBODE, etc(b ca 1035, d 1123)

B Anjou, France; attended church school there, becoming schoolmaster 1067-1081; served as archdeacon under three successive bishops, becoming himself Bishop of Rennes in 1096; d Angers 1123. He is best known for his poem on gems in 743 hexameters which Thorndike, *History of Magic*, 1, 775 ff, declares to be "an outstanding work among medieval accounts of precious stones, first because of the early date of authorship, and second because of its late persistence and popularity, which is indicated by the fourteen editions that appeared after the invention of printing." In this connection, G.Sarton, *Introduction to the History of Science*, 1, 764-5, notes that "it was translated into French(12 versions in verse and prose), Provençal, Italian, Irish, Danish, Hebrew, and Spanish." The following editions have been compared to the entries in Johann Beckmann's 1799 edition of *Catalogvs-Editionvm*, p XI-XVI, see below, and includes those considered to be the most important by Studer & Evans, *Anglo-Norman Lapidaries*, 1924, p XIII, footnote.

4168. -----1511, Vienna

Libellvs De Lapidibvs | Preciosis Nvper | Editvs. | Cuspinianus Lectori. | Si Varronis. Celii. Galbae. Mutiani. Cor. Nepotis |...[15 lines]...| lustrato & gemmarũ tibi patescent uires. Vale. | a [...] [foregoing is the first page incipit and only title; the last page reads:]

Ad foemur illius:quae parturiendo laborat |... [9 lines]...|Epilogvs. |... [3 lines]...| Finis. | Errata. |...[7 lines]...|

Viennae Pannoniae per Hieronymũ Vietorem Phi/ | louallem. Anno. M.D.XI. septimo Kalen. Martii.

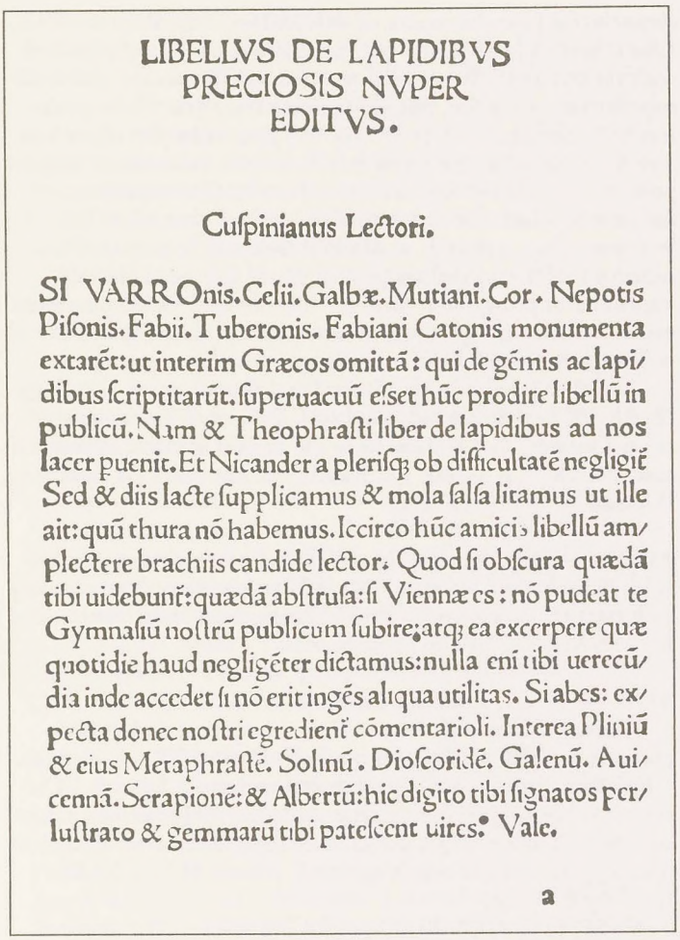
4°: [22] f; verso last f blank; a^6, b-c^6, d^8. 21.2 x 14.7 cm(8 3/8 x 5 7/8 in), Cut & cropped, JSL.

Cont: title at head of Cuspinian preface; Cuspinian commentary of [4]p; alphabetical list of gemstones(60 in all) on [1]p; text; the first text f, recto, headed "Enchiridion Marbodaei Galli;" last printed page bears the final lines of "Galactites," also epilog, finis, errata and colophon; last p blank,

The first book edition, edited by German humanist Johann Cuspinian (1473-1529), recte Spieshammer, who was privy councillor to Maximilian I, and who wrote, besides other works, a valuable history of the emperors of Rome. The above work was printed by Jerome Vietor, a Viennese, born in Poland, and his only imprint for the year 1511.

In short, Marbod's work briefly describes 60 gemstones, which number includes several that are not now considered to be in that category, and gives for each their magical and medicinal virtues. Apparently all of the material was drawn from early sources which Studer & Evans, ibid, p XIV, identify as those that are primarily scientific in nature and those that are magical, the two most important being Pliny's *Natural History* and Isidore of Seville's *Etymologiae*, the latter derived from Pliny but with much of the prologue and the material on magic taken from Damigeron and the lapidary attributed to Aristotle. On the other hand, C W King, *Antique Gems*, 1866, 2nd edit, p 389 ff, prefacing his translation of Marbodus, held that the substance of this work was taken chiefly from Solinus, "of whom he paraphrases entire sentences." However, King may have changed his mind with the passage of time because in his *Natural History of Precious Stones and of the Precious Metals*, 1867, p 12-13, he states that "whole passages in the poem are nothing more than pieces taken bodily out of the 'Origines'[of Isidore of Seville] as they stand at present, and put into rude hexameters." Further, "intermixed come occasionally what are unmistakable extracts from Orpheus, whom, by the way, he quotes at length, under 'Coral', as "Metrodorus," referring in the same passage to Zoroaster also." Philipp Schmidt, the noted German student of the occult lore of gemstones, states in his *Edelsteine*, p 69, that Marbod paraphrased portions of another work, but Pliny rather than Solinus. The possibility that the poem was written by a certain Evax, a mythical Arabian king, as claimed by Marbod himself in his prologue, is examined by Thorndike, ibid, p 777, and also by F D Adams, *Birth and Development of the Geological Sciences*, p 150, and J Ferguson, *Bibliotheca Chemica*, 2, all of whom agree that Marbod was the true author and Evax an invention. The substance of Marbod's poem, as Studer & Evans, ibid, p XIV point out, "shows that Marbode followed his authorities with meticulous care, and that he added nothing but verbal decoration to their content."

As to the time of composition, Studer & Evans, ibid, p XIII suggest that the date lies between 1067 and 1101, while King, *Nat Hist*, already cited, p 12 gives the span as 1067-1081. Adams, ibid, p 149, believed it to have been written between 1061-1081. Both Studer & Evans and Ferguson remark upon the large number of manuscripts of which the former found nearly forty in English collections alone and more than a hundred in continental libraries. Studer & Evans further note "it is, perhaps, the number of these manuscripts that has deterred Latin scholars from producing a critical edition of Marbode's text. It has been published many times, but usually from the



LIBELLVS DE LAPIDIBVS
PRECIOSIS NVPER
EDITVS.

Cuſpinianus Lectori.

SI VARRONis.Celii.Galbæ.Mutiani.Cor. Nepotis Piſonis.Fabii.Tuberonis. Fabiani Catonis monumenta extarẽt:ut interim Græcos omittã: qui de gẽmis ac lapidibus ſcriptitarũt.ſuperuacuũ eſset hũc prodire libellũ in publicũ. Nam & Theophraſti liber de lapidibus ad nos lacer puenit. Et Nicander a pleriſq; ob difficultatẽ negligit Sed & diis lacte ſupplicamus & mola ſalſa litamus ut ille ait:quũ thura nõ habemus. Iccirco hũc amici libellũ amplectere brachiis candide lector. Quod ſi obſcura quædã tibi uidebunt:quædã abſtruſa:ſi Viennæ es: nõ pudeat te Gymnaſiũ noſtrũ publicum ſubire;atq; ea excerpere quæ quotidie haud negligẽter dictamus:nulla enĩ tibi uerecũdia inde accedet ſi nõ erit ingẽs aliqua utilitas. Si abes: expecta donec noſtri egredient cõmentarioli. Interea Pliniũ & eius Metaphraſtẽ. Solinũ. Dioſcoridẽ. Galenũ. Auicennã. Serapionẽ:& Albertũ:hic digito tibi ſignatos perluſtrato & gemmarũ tibi pateſcent uires. Vale.

a

4168. Marbod's lapidary in its first printed version of 1511, here showing the "incipit", there being no titlepage

Rennes edition of 1524, Gorlaeus' edition of 1695 and, at the most, two manuscripts, not always of the best date. The order of the stones varies little; all the best manuscripts described sixty, and have in addition a prologue, and an epilogue 'de anulo et gemma.' The edition of Gorlaeus gives fifteen additional chapters (all based on the lapidary of Damigeron) on the authority of a manuscript that cannot now be identified." A comparative table of the stones and their order is furnished in Beckmann's edition of 1799, p XV-XVI, which edition, incidentally, is the only one described as "critical" by Ferguson, ibid, p 74.

As to the mineralogical nature of the stones themselves, it is neccssary to turn to Adams, ibid, p 149-55, who devotes much space to them and approaches his study from the practical viewpoint. In discussing Marbod's choices of stones, Adams places them into five categories, the first of which, containing 26 stones, and "making up approximately one-third of the whole, are mythical - or at least the description of them, when any is given, is so trivial that it is impossible to connect the name with any particular mineral." The second group of six stones "all come, or are supposed to come, from the body of some animal." The third group of four stones, namely, *cerauneus, corallus, aetites* and *unio*, are not really minerals, while the fourth group, comprising fourteen stones, are all varieties of quartz. In the last group appear fifteen minerals, which with the exception of

chryoselectrus bear the names of well-known mineral species." Like others, Adams points out that the work is liberally studied with references to the magical properties of the stones and much superstitious nonsense, but see the better analysis of this problem in Thorndike, ibid, p 775-82. He gives examples of curious lore to be found in the poem but deems the inclusion of magical powers as understandable in view of the intellectual climate of the time in which the statements of Marbod were taken by "everyone else... precisely as Marbod meant it, as a serious statement of the marvelous powers which had been divinely implanted in gems, "and, further, "why should not God be more easily reached through the instrumentality of gems, since He had endowed them with their marvelous virtues?"

For other references on Marbod and this work see also Pogg II, 39, 40; L V E Ernault, Marbode, Evêque de Rennes, sa vie et ses Oeuvres, *Bull et Mém de la Soc Archéol du Dept d'Ille-et-Vilaine*, 20, 1899, p 1-260; J C Riddle, ed, *Marbode's De lapidibus*, Wiesbaden, 1977, not seen.

4169. -----1524, Rennes "In collectione prima *operum Marbodi edita Redonis apud Ioannen Maçe, bibliopolam, iussu Yvonis Redonensis episcopi.*" Not seen: from Beckmann; Jean Macé publ, edited by Yves Mayeuc, Bishop of Rennes.

4170. -----1531, Freiburg im Bremen

Marbo= | Dei Galli Poetae Ve= | tustissimi de lapidibus pretiosis Enchiri= | dion, cum scholijs Pictorij Vil= | lingensis. | Eivsdem Pictorii De | lapide molari carmen. | Lectori. | Qui cupis emunctim gemmarum scire medullas, | Huc uenias, totum continet iste liber: | Qui decies senis capitellis nomina dicit, | Et species, patrias, quid ualent q_3 simul. | Anno M.D. | XXXI. [publ by P Willig]

8°: 55, [1]f; A-G^8. 15 x 10 cm(6 7/8 x 4 in). Cut, cropped. USGS Kunz Coll, GS 34-336; Ward & Carozzi, 1495; DeGolyer Coll, Univ Okla; in Beckmann, Studer & Evans.

4171. -----1531, Paris

Marbo: | Dei Galli Poetae Ve | tustissimi de lapidibus pretiosis | Enchiridion cũ Scholijs | Pictorij Villin= | gensis. | Eivsdem Pictorii De | lapide molari carmen. | [logo] | Parisiis | Excudebat Christianus Wechelus, sub scuto | Basileiensi, in uico Iocabaeo, anno | 1531.

8°: 110, [1] blank], [1]p; A-G^8; orn inits; woodcut publ logo(also on last p which is otherwise blank). 16 x 10.3 cm(6 3/8 x 4 in). Cut, cropped. Dewalque, 347.

Cont: tp; lt to D. Udalrico Wirtner; Pictorius verse; proemium; poem; index; blank p; logo.

F D Adams, ibid, 154-5, "in the third edition... 1531 there are glosses appended to each chapter, also some introductory and concluding verses by George Pictorius. At the end of the book there is a short poem by the latter addressed to the millstone. Being evidently somewhat weary of the continued enumeration of the magical and mystical powers attributed to the precious stones in the work of Marbodus and probably harboring some secret doubts as to the reality of the powers in question, Pictorius turns as it were for relief to the common millstone, and addresses a concluding poem to it as a stone, which is indisputably full of virtue for mankind, and which renders inestimable service to the human race." Regarded by some as the best edition.

4172. -----1531, Freiburg im Breisgau. Marbodei... De lapidibus pretiosis encheridion, cum scholijs Pictorij Villingensis. Eiusdem Pictorii De lapide molari carmen... [Friburgum Brisgoviae] 1531. 55 numb f, [1] f, 16 cm. Sig: A-G^8. Orn init begins text. Cf Ferguson 2, 74. Not seen: from *Hoover Collection*, 133, no 560.

4173. -----1539, Köln (Cologne)

Marbodei | Galli Caenomanensis De | gemmarum lapidumq_3 pretiosorum formis, natu | ris, $átq_3$ uiribus eruditũ cũ primis opusculũ, sane q̃utile, cum | ad rei medicae, tũ scripturae sacrae cognitionẽ; nũc primũ nõ | mõ cẽtũ ferme uersib. locupletatũ pariter & accuratius emẽ= | datũ, sed & scholijs q̊q_3 illustratũ p Alardũ A Emstelredamũ | [to left in column:]℄ Cuius studio | addite sunt & praeci | puae gemmaꝝ lapi | dũ'q ptiosoꝝ expli= | catiões, ex uetustiss. | qbus'q_3 autorib^9 co= | actae. Cũ scholijs Pi | ctorij Villengeñ. | [on same levels to right:]...[3 lines in Greek]...| En margaritũ no= | bile, E me si cupis | ditescere. | Rationale. Exodi | 28. & 39. Leui. 8. | [both columns surround the woodcut head of the High Priest supporting before him the breastplate on which appear the numbers and names of the twelve gems; at his right shoulder appears vertically the word "Doctrina" and at his left shoulder, "& Veritas," and below the breastplate:] | Coloniae excudebat Hero.Alopecius. Anno. 1539.

8°: 124[recte, 126], [2]f; A-P^8, Q^8; numerous mispaginations. Woodcut title vignette; woodcut inits, ch orns. 15 x 9.5 cm(6 x 3 3/4 in). Cut, cropped. Hoover Coll, 132, no 558, gives height of 16 cm. JSL. USGS Kunz Coll, GS 33-263.

Cont: tp; author list; the High Priest's vestments; poem by Alardus of Amsterdam(d ca 1541) & comments by him; Marbod's poem, annot & with marginal notes; comment by Alardus & quotes from other authors; Alardus lecture; Pictorius proemium; index.

An extended commentary on this edition in Beckmann, p XII; described in detail by Ferguson, ibid, 2, p 73-5. The quaint titlep frequently reproduced in later works on gems and gem lore because of the woodcut vignette.

4174. -----1540, included in another work, according to Beckmann, p XIII, who gives: "Macri [Macer] de materia medica lib.5. versibus conscrinti. Per Ianum Cornarium medicum physicum emendati ac annotati, et nunquam antea ex toto editi ... Lib. quintus de lapidibus ac gemmis." And, "In fine legitur: Francofurti. Chr.Egen.(Egenholf). 132 folia in 8. Adiunxit Cornarius Macri libello libellum Marbodi, quoniam in quodam veteri exemplari eos coniunctos repererat," etc, with the fifth book being Marbod's lapidary, with commentary by Alardus. Jan Cornarius or Cornarus is the latinized version of Johann Hagenbutt, Ger MD, b Zwickau 1500, pract in Frankfurt & Zwickau; prof med Marburg & Jena; transl Hippocrates and other ancient Greek & Latin writings; d 1558.

4175. -----1554, Basel, 8°; not verified

4176. -----1555, Basel

Marbo= | Dei Galli Poe= | Tae Vetvstissimi | Dactyliotheca, Scholijs Georgij Pictorij | Villangani doctoris Medici, & Regiae cu- | riae Ensishemij superioris Alsatiae | Archiatri, nunc altera uice, supra | priorem aeditionem, | illustrata. | Item de

lapide Mo- | lari, & de Cote carmen Panegy= | ricum, eodem autore Geor= | gio Pictorio. | Basiliae.

Colophon: "Basiliae | Per Henrichvm Petri, | Mense Martio, | An.M.D.LV."

8°: [16], 80 p, several pages misnumb; *^{8}, A-E^{8}. 13.3 x 9 cm(5 1/4 x 3 1/2 in). Orn inits. JSL; Dewalque 348.

Cont: tp; ltr; authors cited; index; pref; 55 chs for as many stones; epilog; lauds.

4177. -----1574, Wittenburg

De Gemmis | Scriptvm Evacis | Regis Arabvm | Olim A Poeta | Qvodam Non Infoe= | Liciter Carmine Redditvm, | & nunc primum in lucem | editum. | Opera & studio D.Hen= | Rici Rantzovii Serenissimi Danorum | Regis per Holsatium & Dietmar= | sium legati. | [woodcut orn] | Vvitebergae | Excvdebat Lav= | rentius Schwenck, | M.D. LXXIIII.

8°: [28]f; A-C^{8}, D^{4}, (last f blank). 15.5 x 9 cm(6 x 3 1/2 in). JSL

Cont: tp; pref Heinrich Moller; text; verses on celestial & planetary lore; blank f.

The first version to ascribe the work in its title to the legendary Evax, King of Arabia, and sometimes entered in bibliographies accordingly(Thorndike, I, p 776). It is an extremely rare edition, the National Union Catalogue locates only a single copy at Harvard while the British Library has only the 1575 Lübeck edition(see below). Beckmann, p XIII-XIV. Henrik Rantzow(1526-1598)

4178. -----1575, same, Lubecae(Lübeck) edit reprinted by Ioan.Balthornium, 32 f, 8°, not seen, from Beckmann, p XIV.

4179. -----1585, same, Leipzig

De Gemmis, | Scriptvm Evacis | Regis Arabvm | Olim A Poeta Qvodam | non infeliciter carmine redditum, & nunc | primum in lucem editum. | Opera & Studio D.Henrici Rantzovii, | Serenissimi Danorum Regis per Holsatium | & Dietmarsiam legati. | Adiecta sunt nonnulla Epigrammata, tum ab ipsa | sum ab alijs de Aula conscripta, quibus eius incinstantia ele- | ganter depingitur, vna cum Genealogia | Rantzouiana. | [woodcut vignette] | Lipsia | Georgius Desnerus imprimebat, | Anno | [rule] | CIↃ IↃ LXXXV.

4°: [40]f; A-K^{4}. 19.8 x 14.2 cm(7 3/4 x 5 5/8 in). Cropped. USGS Kunz Coll, GS 34-791.

Cont: tp; comparatio; Moller ltr; text; "aula depicta."

The editor of this edition states that the poems of Marbod are here issued completely for the first time "as far as he knows," although this is not the case.

4180. -----1695, in Gorlaeus's *Dactyliotheca*, Leyden, part 2, in the edition of Jacob Gronovius, which see. It is entitled "Marbodei, Galli, Caenomanensis, poetae vetustim carmen de gemmis et lapidibus."

4181. -----1707, same, in another edition of Gorlaeus.

4182. -----1708, an edition by Antoine Beaugendre(d 1708), appended to his edition of Hildebert's works, Paris, 2°, p 1635-90, according to Ferguson, 2, p 74; see also Beckmann, p XIV; Banks library. Not seen.

4183. -----1740, Wolfenbüttel

Marbodei, Galli, | Poetae Vetvstissimi, | De | Lapidibvs | Pretiosis | Enchiridion, | Cvm | Scholiis Pictorii Villingensis. | Ejvsdem | Pictorii | De | Lapide Molari Carmen. | Lectori. | Qui cupis emunctim gemmarum scire medullas, | Huc benias, totum continet iste liber: | Qui decies senis capitellis nomina dicit, | Et species, patrias, quid valeantque simul. | Anno MDXXXI. | [rule] | Ex | Bibliotheca Brvckmanniana | Recvs-.Wilffenbvtelae Anno MDCCXXXX,

4°: 82, [2]p; a-k^{4}, l^{2}. 21 x 15.7 cm(7 7/8 x 6 1/4 in). Cut, cropped. USGS Kunz Coll, GS 34-418; JSL.

Cont: tp; dedic; prefs; proemium; text; index.

According to Beckmann, p XIV, a "repetition of the edition of 1531." Franz Ernst Brückmann, a Ger MD & naturalist, b nr Helmstadt 1697; d 1753. This is the last edition listed by Beckmann(see below).

4183A. -----1791, in Franz's edit of Pliny, *Natural History*, Leipzig (taken from Gorlaeus *Dactyliotheca*, see above), and appearing in the vol 10, p [729], a blank p, then p 731-4 of preliminaries, salutation p 734, and poem p 735-62. See PLINY for description of basic work. The Marbod title is as follows:

Marbodei | Galli | Poetae Vestvsti | Carmen De Gemmis | Sive | Lapidibvs Pretiosis | [taper rule] | Ex Abrahami Gorlaei Dactyliotheca | Ed. Iac. Gronov.

4184. -----1799, Göttingen, the Beckmann edit

Marbodi | Liber Lapidvm | Sev | De Gemmis | Varietate Lectionis | Et | Perpertva Annotatione | Illvstratvs | A | Iohanne Beckmanno. | [taper rule] | Additis Observationibvs | Pictorii, Alardi, Cornarii. | [taper rule] | Svbiectis Svb Finem Annotationibvs | Ad | Aristotelis | Avscvltationes Mirabiles | Et Ad | Antigoni Carystii | Historias Mirabiles. | [orn rule] | Gottingae | Typis Ioann. Christian. Dieterich. | 1799.

8°: XXVIII, 164 p; a^{8}, b^{6}, A-K^{8}, L^{2}. 19.8 x 12 cm(7 3/4 x 4 3/4 in). Cut cropped. USGS Kunz Coll, GS 33-264 (gives height as 20.5 cm); JSL.

Cont: tp; pref; Beaugendre remarks; previous edits; tab comparison of stones & order of presentation in 7 edits; dedic & prefs; abbrev of prev edits; errata; annot text p 1-90; selected verses of uncertain authority from several previous edits; a version of the poem in Fr(p 97-135); another in Latin(p 136-7); commentary on mystical properties of the gems(p 138-47) and with comparison of names in Latin & Fr; notes on Aristotle's *Marvelous Things Heard Of* (p 148-53); on *History of Marvels* of Antigones Carystes(p 154-64).

Generally regarded as the most authoritative and useful edition on account of the notes on previous editions and citations of several versions of the poem.

4185. -----1847 The poem appears in John Jones, *The History and Object of Jewellery*, 1847, which see.

4186. -----1854 Beaugendre's edit of 1708, re-edit by J J Bourassé, in *Patrologiae Cursus Completus*, ser secunda, accurante J-P Migne, Tomus CLXXI, Paris, 1854, 1832 columns. LC 70-235380. This vol contains several works by Marbod, including his Liber lapidum, col 1735-80: a valuable discussion of the lapidary, sources in the literature, notes on the author, other

editions, variants, etc, following which appears "Incipit Liber Lapidum," and the poem in Latin with a parallel version in Old French to col 1770. Next appears "Marbodi Redonensis Episcopi Prosa - De Duodecim Lapidibus in fundamento coelestis civitatis positis (Apoc. 21, 19)" and "mystica seu moralis applicatio" on the foundation stones of the New Jerusalem. This edit reprinted in Ropartz, 1873, see below.

4187. ------1866, London, Engl transl by E W King in *Antique Gems: Their Origin, Uses And Value, Etc*., 1860, 389-422, also in the 2nd edit, 1866, 389-417, which see. King does not give the Marbod edition he translated but J Ferguson, *Biblio Chem*, 2, p 74, states that "the Danish translation was made by Molbech, and that into English by King;" unfortunately, Ferguson does not identify the Danish source. According to King, "this poem was probably composed by the abbot Marbodus(Marboef), when master of the Cathedral School of Anjou, an office he held from 1067 to 1081, in which last year he was made Bishop of Rennes." In another place, King also notes "Marbodus indeed ascribes the original of this poem to Evax, and gives his dedicatory letter to Tiberius, written in very mediaeval Latin, which last is evidently a composition of his own. But this attribution must be regarded merely as a poetical license." Finally, "Camillo Leonardo has borrowed largely from Marbodus in his treatise on the qualities of the gems in themselves, but the latter makes no mention in this poem of the virtues of the sigils cut upon them."

4188. -----1873, Rennes, an edit by Ropartz, with a modern transl into Fr, according to J Ferguson, ibid, p 74, "there is an edition of the poems, with a translation into modern French, and an introduction about the author by Sigismond Ropartz, Rennes (1873), 8°, pp 227 (the 'Lapidarium,' pp 141- 207)." Not seen.

4189. -----1877, Nîmes, Ferguson, ibid, p 75, gives "C.Ferry, *De Marbodi Rhedonensis episcopi Vita et Carminibus*, Nemansi, 1877, 8°, pp [8], 107, [1 blank] ('Lapidarium,' pp 67-83.)." Not seen.

4190. -----1880, Heilbronn, according to Ferguson, ibid, p 74, "what amounts to translation into Spanish is found in a MS. in the British Museum, from which it was edited by Karl Vollmöller: *Ein Spanisches Steinbuch*, Heilbronn, 1880, 8°, pp.vi, 34." Not seen.

4191. -----1882, Paris, Ferguson, ibid, p 75:"Leopold Pannier, *Les Lapidaires Français du Moyen Age des XII^e, XIII^e et XIV^e Siècles*, Paris, F Vieweg, 1882, 8°, forming the 52nd fascicule of the "Bibliotheque de l'École des hautes Etudes.'" Also contains "the fullest account of the old French translation, with the corresponding lapidaries of Modena, Berne, and Cambridge and other similar works, is that by Léopold Pannier." Not seen.

4192. -----1890, Rennes Ferguson, ibid, p 75: "Léon Ernault, Marbode, Évêque *de Rennes sa vie et ses Oeuvres* (1035-1123) *avec une préface et des notes de son frère Émile Ernault... et de Félix Robiou*, Rennes, 1890, 8°, pp [4] v. [1 blank]260[1, 1 blank] ('Liber Lapidum,' pp.102-125)." Not seen.

4193. -----1900, New York, Marbod's poem, taken from C W King, 1860(see above), reprinted in *The Mineral Collector*, New York, vol 7, no 1, 1900, p 11-12, continuing for a total of 17 instalments to vol 8, no 7.

4194. MARCHANT, A d'A Diamantina, first diamond center of Brazil. *Bull Pan-Amer Union*, Wash DC, v 67, 1933, 86-100. Not seen.

4195. MARCHANT, NATHANIEL(1739-1816)

A | Catalogue | Of | One Hundred Impressions | From | Gems, | Engraved By | Nathaniel Marchant. | [taper rule] |... [2 line Greek quot]...| [double rule] | London: | Printed For J.Edwards, Pall-Mall. | [taper rule] | 1792.

2°: [1]f + 36 p; pi, A-I^2 Engrav pl with engrav caption tip-in to face tp. 24.3 x 19.8 cm(9 1/2 x 7 7/8 in). Cut. USGS Kunz Coll, GS 33-342. Metropol Mus Cat 9.

Cont: pl; tp; advert(paged i-iii); blank p; text.

The author, apparently an engraver of gems, claimed to be the first Briton to examine antique gems "on the spot," in this instance, in Rome, where he spent sixteen years, and thus established his claim to the faithfulness of his copies as listed in this catalog of 100 impressions. Each gem is identified as to subject, material, and owner, if known.

4196. MARCHER, GEORGE Pages from a jeweler's notebook of memories. *G & G*, 7, 9, 263-74, 287; 10, 310-2; 11, 347-9; 12, 370-3; 8, 1, 1954, 16-20, 27. JSL.

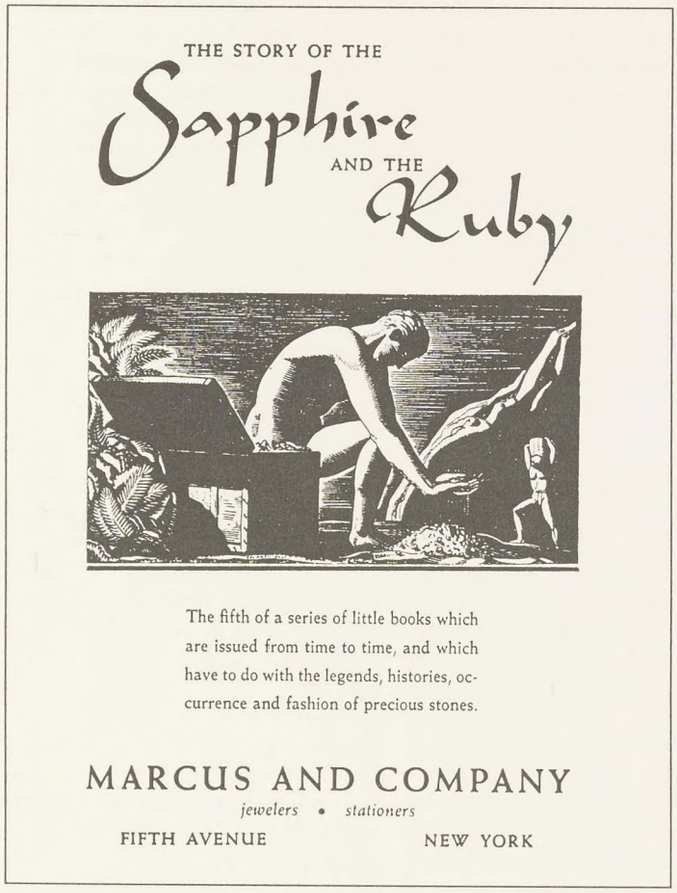
4197. MARCOS Y BARTUAL, AURELIO

Tratado | [rule] De [rule] | Joyeria | Aurelio Marcos Y Bartual | Joyero | Abogado Y Del Cuerpo Nacional | De Secretarios De Ayuntamientos Y Diputaciones | Por Oposicion | [orn] | Malaga [Ricardo Sanchez: nd, post 1947]

8°: 380 p(first 2 p blank) + [20 advert]p; 19 bound-in & tipped-in glossy pls(7 col); 34 fig; 17 unnumb figs; many tabs & hallmarks. Col paper over bds, jewels, stones, on cover, with title in rect panel; marine scene back cover. 21 x 15.7 cm(8 1/4 x 6 in). Cheap paper, uneven quality, browning. JSL.

Cont: blank f; 1/2tp; tp; publ data; quot; pref; part tp; 3 parts text; jewelry law; errata; tab cont; advert.

The first part is of greatest interest because it treats pearls and gemstones while the second part concerns precious metals and the last part describes the manufacturing practises of the jeweler but includes a section on birthstones, remarks on engraved gems, and a very brief mention of the freshwater pearls of Spain, then closes with a discussion of the laws regulating the jewelry industry. The gemological part is fairly thorough, treating crystallography, properties and chemical composition of gemstones, spectroscopy, microscopy, gemstone classification according to color, nomenclature, and a summary of gemstone properties. This is followed by gemstone descriptions and including brief remarks on many minor or rare gemstones. At the close is a brief section on reconstructed and synthetic gemstones and their identification. The b&w plates depict jewelry; one of the colored plates depicts spectra and the remainder show cut & rough gemstones, some copied from the color plates of *Das Ist Idar-Oberstein: 2000 Jahre Edelsteinkultur*, which see. The binding and paper in this book are very poor and insure that most copies will disintegrate with little use.



4203. The New York jewelry firm of Marcus And Company employed Rockwell Kent to illustrate its series of souvenir gem booklets

MARCUS, WILLIAM ELDER

The author: the 3rd generation in a family of jewelers of New York, London, and Bombay; poet and writer.

4198. -----1967

Seven Precious Gems | by | William Elder Marcus | A Hearthstone Book | Carlton Press, Inc. New York, N.Y. [1967]

8°: 80 p; 6 ill by Rockwell Kent; 3 photos; 3 maps; 9 fig. Blue cloth, black lett spine. Vermilion dj, Kent vignette on cover; resume; vita with portr. 20.3 x 13.6 cm(8 x 5 3/8 in). Cut. $3.50. JSL.

Cont: 1/2tp; tp; publ data; fwd; 6 chs.

The seven gems are diamond, emerald, sapphire and ruby, star stones, opal, and pearl, each being briefly described, some properties furnished, with the telling of several legends of gemstones. This text is essentially repeated from "The Story of" series described below. Most of the illustrations, including the characteristic Rockwell Kent vignettes used as chapter headpieces, are also from these booklets, and were "original drawings by Rockwell Kent who made them especially for the author over thirty years ago." The three photographs are of the Junker diamond, rough & cut, and a group of pearls which originally appeared in a Kornitzer book. The text includes a chapter on opal but I have no record of this gem having been the subject of one of the earlier booklets mentioned above. Rev *G & G*, 12, 7, 1967, 224.

4199. MARCUS AND COMPANY

The Story of the | Star Stones | [taper rule] | [vignette] | [taper rule] | Being the first of a series of little books which will be issued | from time to time, and which will have to do with the | legends, histories, occurrence and fashion | of precious stones. | [dot] | Marcus And Company | Jewelers · Stationers | Fifth Avenue At Fifty-Third Street · New York [1935]

Centersewn: [2 blank], [16], [2 blank]p; col photo pl tip-in; 3 fig. Blue paper over bds, title with gem in white on cover. 20.4 x 13.9 cm(8 x 5 1/2 in). Cut. JSL.

Tastefully-designed, all in same format, and distinguished by use of Rockwell Kent's characteristic drawings as vignettes on each titlepage in addition to a tipped-in color plate of high quality. The text is in popular vein, with a few technical facts and more on lore and legend. A second printing issued on thinner, whiter paper, and enclosed in a wrap of white, silver-flecked paper, which also used for endpapers.

4200. -----1936

The Story | Of The | Pearl | [green wavy rule] | [vignette] | [same rule] | The second...[a total of 4 lines]...| [orns] | Marcus and Company | Jewelers - Stationers | 671 Fifth Avenue New York [1936]

Centersewn: [2 blank], [25], [1 blank]p; col pl; 3 fig(map, part col). Cream paper over bds; title & string of pearls in green on cover. JSL.

4201. -----1936

The Story of the | Emerald | [vignette] | [green double rule] | Being The Third |... [4 lines]...| [green orn] | Marcus And Company | Jewelers · Stationers | 671 Fifth Avenue New York [1936; title in green & black]

Centersewn: [2 blank], [22], [4 blank]p; col pl; 3 fig(1 col). Pale gray paper over bds; title in green with cut gem on cover. JSL.

4202. -----1937

The Story of the | Diamond | [rule] | [vignette] | [rule] | The fourth of a series...|...[3 lines]...| [orn] | Marcus & Company | Jewelers · Stationers | Fifth Avenue At 53rd Street · New York [1937]

Centersewn; [2 blank], [25], [1 blank]p; 2 col pls; 3 fig(map). Pale blue paper over bds, title in dk blue in double-rule frame on cover. JSL.

4203. -----1937(?)

The Story Of The | Sapphire | And The | Ruby | [vignette] | [blue rule] | The fifth of a series...|...[3 lines]...| Marcus And Company | jewelers · stationers | Fifth Avenue New York [nd; title in blue & black]

Centersewn: 21, [3]p (p 1-2 blank); col pl; text map; dk pink paper over bds; title in blue on cover. JSL. The last in the series.

4204. MARECHAL, J R Commerce de l'ambre dans l'antiquite. *Technique et Civilization*, 5/4, 1956, 128-48. Not seen.

4205. MARENSI DE MOURA, ODULIO JOSE; OLIVEIRA PINHEIRO, STELAMARIS DE & NASSIF, MARCELO ARRUDA

Gems from Brazil | METAMIG - Metais de Minas Gerais S.A. | Belo Horizonte - 1981 [title overprinted on col photo of tourmaline]

Centerstapled,oblong: 59, [1]p; 2 col sketch maps; 37 col photos; 16 b&w fig; 12 part-col price graphs; 2 floor plans; 2 b&w photos. Thick glossy gold wrap, green stripes across a corner; title & small col photo on cover. 22 x 25.5 cm(8 5/8 x 10 in). Cut. Pale tan-yellow paper; white text frames; various col used in headings. JSL.

Cont: tp; pref & errata slip bound-in; tab cont(summary); introd; text; biblio(p 54, 22 entries); index; description center Belo Horizonte; publ data & list of authors.

Handsome, cleverly designed brochure aimed at encouraging trade in gem materials of Minas Gerais, Brazil, and encouraging visits to the "Gem Center" instituted by a group merchants in Belo Horizonte. Provides brief history of interior exploration in colonial days, subsequent events, and recent history, with large sections on mineralogy & crystallography, lapidary work, descriptions of Brazilian gemstones, collector's minerals, precious jewelry metals, investment gems, identification, glossary, and bibliography. Too much space devoted in early part on technical mineralogy and not enough on the gemstones that form the crux of the trade. The sketch maps are useful as well as the price graphs(values from 1973 to 80, inclusive).

4206. MARIE ELIZABETH, *archduchess of Austria, governor-general of Belgium*(1680-1741)

Catalogue | Des | Diamants, | Tant | Brilliants que Roses, Rubis, Emeraudes & Perles, faisant | partie des Joyaux de feue Son Altesse Serenissime Madame | l'Archiduchesse en son vivant Gouverante Générale des Païs- | Bas, dont la vente se fera à la vieille Cour dans la Ville de | Bruxelles, nommée l'Hôtel d'Orange le 18. Juillet 1742. & | jours suivans, lesquels pourront être vûës deux jours aupa- | ravant audit endroit, depuis dix jusqu'à douze heures avant | midy & l'après-midy depuis trois jusques jusqu'à six heu- | res, & seront vendues au plus offrant en argent de change | & aux conditions que l'on pourra voir aux dits jours. | [woodcut orn] | A Bruxelles, | Chez George Fricx, Imprimeur de Sa Majesté. 1742.

4°: 24 p. 19.8 x 16 cm(7 3/4 x 6 1/4 in). Cropped, esp along top. USGS Kunz Coll, GS 34-352. Cont: tp; catalog of 190 gem stones.

MARIETTE, PIERRE-JEAN (1694-1774)

Fr connoisseur of the arts; b Paris, the son of an eminent French engraver; intensively studied art; became dir Imperial Gallery, Vienna; mbr Acad of Painting, Paris, Acad Design, Florence. J Dumesnil, *Histoire des plus celebres amateurs francais*, etc, Paris, 1856; *Nouv Biogr Gen; Biogr Univ* 27, 131-2.

4207. -----1741

Description | Sommaire | Des Pierres Gravées | Du Cabinet | De Feu M.Crozat. | Par P.J.Mariette. | [woodcut vignette] | A Paris, | Chez Pierre-Jean Mariette, ruë S.Jacques, | aux Colonnes d'Hercules. | [double rule] | M.DCC.XLI.

8°: [4], 35, [1 blank]p; pi^2, A-K^4, L^3 (final blank f absent?). 18.8 x 12.5 cm(7 3/8 x 4 7/8 in). Cropped. *Metropol Mus Art Cat* 9.

Cont: tp; pref; catalog; blank p.

Very brief descriptions of 1,382 engraved gems in the famous collection of art assembled by Joseph-Antoine Crozat(1696-1740), a connoisseur of the arts, counselor in parliament, etc(*Biogr Univ*, 10, 314-6). It is usually issued with a work also by Mariette entitled *Description sommaire des dessins des grands maistres d'Italie, des Pays-Bas et de France du Cabinet de feu M.Crozat. Avec des réflexions sur la manière de dessiner des principaux peintres*, Paris, 1741. The entire collection of gems was bought by the Duke of Orleans for 67,000 livres. See Mariette's discourse on Crozat as a collector and the splendor of the cabinets housing his engraved gems as well as remarks on the present catalog in his *Traité de pierres gravées*, 1, 338-40, 458, below.

4208. -----1750

Traité | Des | Pierres Gravees | Par P.J.Mariette. | [wreath enclosing 3 engrav gems] | A Paris | De L'Imprimerie De L'Auteur | M.DCC.L.

Entire title engrav, enclosed in orn frame; this title differs from that for the second volume; volume numbers appear only on the lett 1/2tps,

I: 2°: [1], [1 blank], [1], [1 blank], [1], [1 blank], [4], 468, [2]p; all unsigned before text; text signed A-$Bbbbbb^2$ + last f supplied; full engrav title, full engrav dedic(to Louis XV); engrav headpc; engrav text fig; 2 engrav pls(1 fold). 31.7 x 20.5 cm(12 1/2 x 8 1/8 in). Cut. JSL.

Cont: 1/2tp; tp; dedic; pref; general text(to p 194); tp to treatise on gem engravers; engravers list; text; tp to essay on the art of engraving; tab cont; text(includes fold pls & explan); tp to biblio; list of authors; discourse on books examined, collections, etc; catalog(p 449-68, 215 entries); leaf bearing approb & errata.

Tome Second title:

Recevil | Des Pierres | Gravées | Du Cabinet Du Roy | A Paris | Chez P.J.Mariette. | M.DCC.L.

Entire title engrav, the words appearing on a ruined pyramid with Father Time and cupids in foreground. Both title engravs designed by Edmé Bouchardon.

II: [1], [1 blank], [1], [1 blank], xij, [1], [1 blank], [2]p + 132 f, each with engrav gem headpc, except No 107 which has its illustration as a bound-in engrav pl + [1], [1 blank], [2]p + [63]f bearing 2 engrav gems each, except No 85 which stands alone on its own f. There are 3 f unsigned + a-c^2, $lambda^2$, and all remaining f unsigned. In addition to the title and the gem engravings, there are an engrav headpc and several engrav tailpcs.

Cont: 1/2tp; engrav tp; pref; tp to first part of cat; gems list; text(with engrav gem fig); tp to second part; gems list; pls.

This is the earliest analytical work on engraved gems and one that fully retains value even today. However, the two volumes are actually two distinct works combined together for the author's convenience as publisher as well as writer. The first volume is by far the most important because of its authoritative summary of the knowledge of engraved gems and that enormously increased in value by its lengthy discourses on previous works published on engraved gems, with a large, nearly exhaustive list of same. The first volume begins with a history of engraved gems in general, followed by an essay on modern gem engravers and their work, and a large description of the art of engraving, divided into 4 chapters: I descriptions of gemstones and other stones used in engraved gems, p 153-94, ie, diamond (including

4208. The famous plate from P J Mariette's "Traité des Pierres Gravées," showing a gem engraver in his atelier

its faceted forms with text & a fig of same), ruby, glass, zircon, garnet, emerald, beryl, peridot, chrysolite, topaz, sapphire, amethyst, other quartz varieties, opal, turquoise, malachite, jade, lapis, coral, amber, and ivory. The authorities cited here are mostly Pliny, De Berquen, and De Boodt. II Lapidary processes, tools, equipment, etc, required to engrave gems and with the famous engraved plate showing an engraver in his atelier, and beneath, diagrams of the engraving head, accessories, and points. III Falsifications, and IV Making impressions. The last portion of the first volume, p 239 to the end, comments on previous writers and engravers of plates for illustrative purposes, as well as the bibliography referred to above. In contrast, the second volume is entirely devoted to descriptions of engraved gems in the cabinet of Louis XV(1710-1774), King of France, and it is this volume that aroused the keenest interest on the part of C W King, *Antique Gems and Rings*, 1, 1872, p 465-6, who lauds the first volume but criticizes the second, noting that "the large number of engravings, by Bouchardon [1698-1762], after gems in the royal cabinet, are, however, in too loose and flowing style to give any accurate idea of their originals." The drawings of the gems were supervised by Comte de Caylus(1692-1765), the noted French art connoisseur and antiquarian. Vinet, 1620, provides a long resume of the work, noting that "even today, it is the classic work on the subject," but like King, criticizes the engravings for the same reasons. Vinet also notes attacks against the work by Giulianelli, *Memorie degli intagliatori*, 1773, and Natter, *Traité de la méthode... graver en pierres fines*, 1754. S Reinach, *Pierres gravées*, 85-110, also discusses the work and reproduces a number of the plates. Furtwängler, *Die antiken Gemmen*, 3, 413, notes that the first volume "is still valuable today; it is broad in scope and written in easy style but always with intelligent judgment," but insofar as the second volume is concerned, he joins previous critics, calling the text "without learning and without citations and remarks on the factual as compared to the artistic... antique and renaissance gems are indiscriminately mixed together... Mariette was as uncritical as Gravelle." See also the modern views of the Zazoffs, *Gemmensammler*, 1983, 127-3.

MARIÑO, M B, see ALFONSO X, 1968, 1970

4209. MARION DU MERSAN, THÉOPHILE (1780-1849)

Histoire | Du | Cabinet Des Médailles, | Antiques Et Pierres Gravées; | Avec | Une Notice | Sur La Bibliothèque Royale, | Et Une | Description | Des Objets Exposés Dans Cet Établissement; | Par Marion Du Mersan, | Du Cabinet Des Médailles, | Chevalier De La Légion-D'Honneur. | [woodcut vignette] | Paris, | Chez L'Auteur, | Rue Neuve-Des-Petits-Champs, N° 12. | [orn rule] | 1838.

8°: [4], IV, 191, [1]p. Pale blue wrap, title in orn frame on cover; similar frame back cover & print name; spine title. 21.3 x 13.6 cm(8 3/8 x 5 3/8 in). Uncut, untrimmed. USGS Kunz Coll.

Cont: 1/2tp; tp; quotes; introd; 2 parts text; tab cont.

History of the formation and growth of the Cabinet of Medals, Antiquities, and Engraved Gems, located next to the Royal Library(Bibliotheque Nationale), in Paris; it was established in 1721. The first section describes jewels and jeweled objects from the tomb of Childéric I(d ca 480), King of the Franks, and also the enormous cameo called the Apotheosis of Augustus, various other jewels and objects, and engraved gems.

4210. -----1340, new edit Notice des monuments exposées dans le Cabinet de Médailles, Antiques et Pierres Gravées, et dans la Bibliothèque Royale, avec l'histoire du Cabinet... notice abrégée sur les départmements des livres imprimés, des manuscrits, et du Cabinet des Estampes, Cartes et Plans, par Marion Du Mersan...Nouvelle édition... augmentée. Paris... 1840. 8°: XVI, 191, [1]p; dk olive green wrap, title on cover. 20.5 x 13 cm(8 1/8 x 5 1/8 in). Engrav gems listed & described p 70-125.

4211. MARKHAM, N L & BASDEN, H, editors

Department of Mines | Geological Survey Of New South Wales | G.Rose, Director | The | Mineral | Deposits | of New South Wales | N.L.Markham and H.Basden, Editors | Issued under the authority of the | Hon.Wal.Fife, M.L.A., Minister for Mines and Power | Price $20 | G 70236-1 [Sydney, 1974]

8°: [8], 682, [2 blank]p; col glossy front pl faces title, caption on pl recto, tip-in; ca 200 photos, geol sketch maps, sections, etc, some part-col. Cloth(col photo on all surfaces), title in white on cover & spine. 26.6 x 20.2 cm(10 3/8 x 7 7/8 in). Cut. JSL,

Cont: pl caption; front pl; tp; fwd; pref; tab cont; 12 chs; refs (p 623-47, ca 600 entries); index; blank f.

The deposits are grouped together on the basis of similar genetic types with the first chapter describing the tectonic development of the state as a whole, and with the remaining chapters devoted to the deposits and their minerals. Of interest to the gemologist are the pegmatite deposits of the Broken Hill and Euriowe blocks, nephrite in the serpentinite belt of the Woolam-in-Texas block, precious opal deposits of White Cliffs and Lightning Ridge in the Great Basin province, sapphires in the north in the region of volcanic flows, and gemstones of lesser importance elsewhere.

4212. MARKLE, G W Characteristics and history of famous diamonds. Winnipeg: J J Porte, 1904, 25 p, 12°. Not seen.

4213. MARLBOROUGH GEMS

Gemmarum Antiquarum | Delectus; | Ex Praestantioribus Desumptus, | Quae In Dactyliothecis | Ducis Marlburiensis | Conservantur. | [taper rule] | Vol.I[-II.]. | [taper rule] | Choix | De Pierres Antiques Gravees, | Du Cabinet | Du Duc De Marlborough. | [taper rule] | Tom. I[-II.].

No place(London?), no date, but M H Nevil Story-Maskelyne gives 1780 and 1791 as the dates in his *The Marlborough Gems*, 1870, p [v], which see. Priv printed in only 100 sets by the 4th Duke(1793-1857), for private distribution according to DNB biogr of Jacob Bryant, the duke's private secretary.

2°: [1]f front engrav pl + [1]f tp + [53]f text; 50 engrav pls, one gem, per pl on as many f + engrav vignette in sepia ink at text end, signed J Basire. Gem plates signed by Cipriani and Bartolozzi. C Kalthoeber, London, binding in bright red full-grain morocco, gilt floral borders with single rule; gilt inner dentelles; 7 raised bands; gilt orns in spine compartments, with title & vol no; marbled endp. 42.3 x 28 cm(16 5/8 x 11 in). Aeg. Both covers with ducal arms in gold(9 cm tall); text tp signed by the duke and dated 1789.

Cont: blank f + front pl; tp; text tp; text & pls bound-in; index of gems + blank f.

II: blank f + front engrav pl(different); [54]f + blank f; 50 engrav pls; engrav vignette at end of text but uncol.

Cont: blank f + front pl; tp; text tp; text & pls bound-in; errata f; gem index f + blank f.

In this sumptious work in which many hands came into play, it appears logical to enter it under MARLBOROUGH although his principal contribution, aside from owning the gems, was to provide the funds for the considerable engraving, printing, and binding expenses. The following printing history can be regarded as authentic, inasmuch as it is taken from an MS ltr, signed by the then 6th Duke of Marlborough(1793-1857), dated 7 July 1853, and enclosed in a bound copy of the 1845 reissue described below, which states "Will you permit me to ask your acceptance of a copy of a Work I have had republished, or rather which I have had reprinted - the printed statement enclosed will show its merits & importance to the lovers of the fine arts. I have given away a Dozen copies of it & it will afford me a great pleasure if you will allow me to place your name in the list of those who have condescended to accept from me copies of the Work." The statement referred to is on a slip of letterpress, loose, and stating that "Of this Work no more than 100 copies were originally printed for presentation to Crowned Heads, the Universities, and Private Friends. And when by the deaths of their possessors, or from other causes, these Presentation-copies found their way into Auctions, they have been sold for 60, 70, and even 80 guineas a Copy; at which latter price, there was lately in the Book-market a Copy of this Work. Under these circumstances, His Grace the Duke of Marlborough was pleased to comply with the request repeatedly made, that he would permit the publication and sale of this Work... the Drawings have been executed by Cipriani, the Engravings by Bartolozzi; whilst the Classical pens of Jacob Bryant, and the Rev.William Cole, D.D. were employed upon the Latin Dissertations, and those of Messieurs Maty and Dutens upon the French Translation of them." Note that the Zazoffs, *Gemmensammler*, 1983, 179-30, enter this work under authors Jacob Bryant and William Cole.

A full history of the Marlborough gems appears in the Story-Maskelyne work noted above, but he erroneously identifies the duke as the "third" of the line when in fact it was the 4th Duke, George Spencer Marlborough (1739-1817) Who had been responsible for forming the collection. This error is carried over

into Vinet 1635 and S Reinach, *Pierres Gravées*, 1895, 111-2. See also remarks in A Furtwängler, *Die antiken Gemmen*, 3, 420. The splendid plates were drawn by Giovanni Battista Cipriani(1727-1785) and engraved on copper by Francesco Bartolozzi(1727-1815), both artists having been born in Florence and achieving much fame in their lifetimes. Only one gem is printed per plate, recto, with facing descriptive Latin text in the first volume by Jacob Bryant(1715-1804), and with French translation by Dr Maty after each engraved plate. The second volume is fitted with another splendid engraved frontispiece plate but its subject differs from that of the first; the contents are arranged in the same manner, however, with the Latin text provided by Dr William Cole, prebendary of Westminster, and French translation by Louis Dutens(1730-1812) several of whose works are entered elsewhere. The biographer of Cipriani in DNB states, however, that the Latin of both volumes was done by Bryant and the French by Dutens.

C W King, *Antique Gems and Rings*, 1872, 1, 466, comments only the engravings as follows "regarded as works of art they reach perfection, but being on too large a scale, and often improved in the drawing, they fail to give a correct idea of their prototypes." On the other hand, Furtwängler, ibid, calls the text "worthless," but the plates, insofar as fidelity is concerned, are "relatively right true and good." Reinach, ibid, is far more verbose, and not only gives a history of the collection but also describes the book itself and the catalog of Story-Maskelyne, and also provides reproductions of all 100 gems upon his own Plates 109-118, with descriptions & comments that seem to be based on those of Story-Maskelyne. The collection was dispersed via auction sales in London; see Christie, Manson & Woods catalogs of 1875, 1899, and 1909.

4214. -----1845, reprint

Gemmarum Antiquarum |...| Conservantur. | [orn rule] | Choix |...| Du Duc De Marlborough.| [rule] | Tom.I[-II.]. | [rule] | Londini: | Apud Joannem Murray. | M.DCCC.XLV.

2°: blank f + front engrav pl + title f + [55]f text & with 50 engrav pls interspersed & bound-in; no vignette at end. Maroon morocco spine & corners, 5 raised bands, elaborately gilt spine panels;maroon-purple mbled bds & matching endp. 43.9 x 29 cm(17 3/8 x 11 5/8 in). Teg, others untrimmed. LC 12-14041. JSL.

Cont: blank f + front f; title f; print data; gem index; pref in Latin & French; text title; text & pls + blank f.

II: blank f + front engrav pl(different) + title f + [53]f text & 50 numbered engrav pls + 8 additional unnumb pls(5 of gems, 1 a panel of human figures, 1 vignette, 1 portr pl) + blank f.

Cont: blank f + front f; title f; print data; gem index; text title; text & pls; 8 addit pls(one per f) + blank f.

The large frontispiece plates and plates of gems have been struck off from the original coppers and are in fine condition. However, the tinted vignette at end of Vol I is omitted while the one at end of text in Vol II is now printed separately as one of the 8 additional plates in this volume. The indexes of gems are moved up into the front matter but that of Vol II does not include the additional plates. The first volume now contains a preface in Latin signed "S", presumably for "Spencer," the 6th Duke, and accompanied by a considerably longer preface that is unsigned. The 8 added engravings in Vol II are a mask, a head of a young woman in a gem signed by J.K Sherwin, a bas-relief

GEMMARUM ANTIQUARUM

DELECTUS;

EX PRÆSTANTIORIBUS DESUMPTUS,

QUÆ IN DACTYLIOTHECIS

DUCIS MARLBURIENSIS

CONSERVANTUR.

VOL. I.

CHOIX

DE PIERRES ANTIQUES GRAVÉES,

DU CABINET

DU DUC DE MARLBOROUGH.

TOM. I.

4213. Marlborough engraved gem catalog, only 100 copies issued, and signed by the Duke of Marlborough

panel, the vignette formerly at the end of the text of a woman with two cupids, another gem, an unidentified woman in contemporary costume, seated, and drawn by Lady Diana Beauclerk and engraved by Bartolozzi, plus two more plates of gems. A proposal to reprint this work apparently came to naught; see BLENHEIM COLLECTION.

While sets of the above appear from time to time in the market, an unknown number of specially bound sets were also prepared, one of which I had the pleasure of examining in the shop of the late Seligmann, Cecil Court, London, in 1967. It is in green calf, numerous plain and ornamental gilt rules forming cover frames enclosing the Marlborough arms; similar rules & orns on spines, with title, volume no, place & date; five raised bands; beveled bds; inside bds ornately gilt-tooled but endpapers plain yellow. 43 x 28 cm(16 7/8 x 11 in). Aeg, with deeply impressed blind tooling. The plates were reimpressed; see BARTOLOZZI, FRANCESCO. Thomas Heneage, London, Cat 2, 1981, no 90(p 12) notes the issue of 9 photo pls illustrating 43 cameos from the collection; these were "photographed by

4213. Engraved frontispiece to the Marlborough Gems, engraved by Bartolozzi

the London Stereoscopic Company and produced just after the 1875 sale... each cameo numbered and described in manuscript with notes of the provenance... gilt red morocco, edges gilt. 38.5 x 29.5 cms."

MARMOR SOORTEN, see WIRSING, A L

4215. MARQUÈS-RIVIÈRE, JEAN

Bibliotheque Historique | [rule] | Jean Marquès-Rivière | Membre De La Société Asiatique | [rule] | Amulettes, Talismans | Et Pantacles | Dans Les | Traditions Orientales Et Occidentales | [rule] | Préface De Paul Masson-Oursel | Directeur D'Études A L'École Des Hautes Études | [rule] | Avec 63 figures | [logo] | Payot, Paris | 106, Boulevard S^{t}-Germain | [rule] | 1933 | Tous droits réservés

8°: 370 p(first 2 blank) + [1 blank]f; 63 line drawings but there are many other text figs not included in this number; many tabs. Tan printed wrap, brown & red lett on cover with ill; spine title; other publ bks back 22.8 x 14.2 cm(9 x 5 5/8 in). Uncut. Fr 50. JSL.

Cont: blank f; tp; publ data; pref; introd; 14 chs in 2 pts; concl; tab cont; ill list; blank f.

Richly detailed, scholarly study of employment of talismans and similar protective devices. The introduction defines amulets, talismans, and pantacles and notes their extremely long use as an integral part of the culture in many civilizations. Gemstones appear in a brief discussion of the High Priest's breastplate and the Urim and Thummim, p 24-7, while remarks on use of gemstones in talismans and amulets by the Gnostics are found throughout Ch 4, 100-20. Jades and other gemstones used by PreColumbian Indians of North America are noted in Ch 7, 176-87, talismanic virtues of jade among the Chinese, Ch 9, 217-9, and in the second part, Ch 11, 253-78, "Les Lapidaires Magiques," is entirely devoted to stones used as talismans throughout history, it also mentioning the use of bezoars and other organic materials and providing a summary list of occult or curative properties of gemstones, 270-5. A useful, valued work.

4216. MARQUET DE VASSELOT, J J

Musée National Du Louvre | [rule] | Catalogue Sommaire | De L'Orfèvrerie, De L'Émaillerie | Et Des Gemmes | Du Moyen Age Au XVII^{e} Siècle | Par | J.-J.Marquet De Vasselot | Conservateur-Adjoint Des Objets D'Art | Du Moyen Age, De La Renaissance Et Des Temps Modernes | [orn] | Gaston Braun | Éditeur Officiel Des Musées Nationaux | Paris, 18, Rue Louis-Le-Grand [1914]

8°: [2 blank],XIV, [1], [1 blank], 177, [3 blank]p; 64 photos on 32 glossy bound-in f. Pale tan print wrap, red & black title on cover with small medallion; black lett spine & back cover. 16.5 x 13.3 cm(7 1/4 x 5 1/4 in). Cut. Fr 2. JSL.

Cont: blank f; 1/2tp; print data; tp; pref; biblio(of older catalogs, p XIII-XIV, 12 entries); abbrev list; 3 sects; corrections; list of artists; tab cont; 3 blank p.

The 3rd section, p 125-69, nos 775-1025, are objects carved more or less wholly from gemstones and ornamental stones: busts, cameos & intaglios, vases, urns, etc, ending with a short section, nos 1016-25, in which appear the French crown jewels, including the Regent diamond, several crowns, and the diamond-encrusted sword of Charles X.

MARQUIS, R, see GRAFFIGNY, H de

4217. MARRISON, L W

L.W.Marrison | Crystals, Diamonds, and | Transistors | With 35 plates and 63 text figures | [logo] | Penguin Books [Harmondsworth, Middlesex, England... First published 1966]

Cementb: 312, [8]p; the "pls" are 35 photos on 12 f not includ in pag, printed on somewhat whiter, smoother paper and inserted in the center. Black, glossy paper wrap, col; resume & author portr back cover. 18 x 11 cm (7 1/8 x 4 3/8 in). 8/6. JSL.

Cont: 1/2tp & biogr notes; tp; publ data; tab cont; ackn; pref; 20 chs; append; biblio(33 entries); index; other Penguins.

The author, an industrial research chemist, provides a popular exposition of the nature & properties of crystals with emphasis on modern methods of investigation and application to technological problems as well in the ornamental arts. Ch 3 is on diamond, p 39-71, Ch 4 on ruby, sapphire, and emerald, 72-92, and Ch 5 on quartz, 93-108. While these are most useful to the gemologist other portions of the book are equally reawarding reading. Excellent, authoritative, clearly written; a relatively scarce book in the Penguin series. A USA edition, Baltimore, was also issued @ $1.95.

4218. MARSH, JOHN B (1835-)

Darton's Manuals For Home Work. | [rule] | Cameo Cutting | By | John B. Marsh [in facsimile signature!] | Author Of | "The Reference Shakespeare," "Venice And The Venetians," | Etc. | [wood engrav cameo] | [Page 17.] | With Original Illustrations. | London: | Wells Gardner, Darton, & Co. | 2 Paternoster Buildings, E.C. | And 44 Victoria Street, Westminster, S.W. [1890]

8°: 60, [4]p; front wood engrav of shell cameo-engraved + 7 numb figs, 16 unnumb figs & 15 unnumb figs on last 2 f. Tan-orange cloth, title, facsimile sig, cameo, foliage branch, & burins in reddish-brown & black on cover with Greek key top & bottom borders; brownish-red & black lett & rules on spine. V pale yellow endp. 17.6 x 11.9 cm(7 x 4 3/4 in). Cut. JSL.

Cont: front; tp; logo & date; dedic; introd; tab cont; text; 2 fig f.

This brief but excellent, clear treatise is eminently practical and one of the extremely few books dealing with the subject. Short chapters instruct in how to proceed, what cameos are and about the shells from which carved, cost of materials, tools, mounting work, carving, finishing, etc. Also discussed are the decline in the wearing of cameos, derivation of the word, and marketing practises. The illustrations show tools and work techniques, and also suggested subjects for carving. Rare.

4219. MARSHAL, sometimes MARSHALL, recte EARL MARSHAL OF ENGLAND A description of the diamond mines, as it was presented by the Earl Marshal of England, to the Royal Society. N° 136, p.907. *The Phil Trans Roy Soc Of London...Abridged*, London, Vol 2, 1809, p 405-11. Describes in considerable detail the many alluvial diamond mines in India, along with notes on the crystals, the geology of the deposits, methods of mining, disposition of stones, etc. The original in the *Phil Trans Roy Soc London* not seen.

4220. -----1768 Des Grafen Marshall Nachricht von den Demantgruben in den Königreichen Golconda und Visiapur.

Aus den Philosoph. Transact. *Mineralogische Belustigungen*, Bd 1, Leipzig, 1768, 427-35. Following a brief introduction, there are descriptions of 12 alluvial diamond mines with a final section on methods of stone recovery.

4221. -----1929 A history of Golconda diamond mines, compiled from all available sources with maps and appendices. *J Hyderabad Geol Soc*, 1, 1, 1929, 21-62. Not seen.

4222. MARSHALL, C E The jet age. *Austral Gemm*, 12, 2, 1974, 42-55, 10 fig, tab, 46 ref. History of jet, composition, structure, origin & orccurrences, with large list of significant references.

4223. MARSHALL, FREDERICK HENRY(1878-)

Catalogue | Of The | Finger Rings, | Greek, Etruscan, And Roman, | In The | Departments Of Antiquities, | British Museum. | By | F.H.Marshall, M.A., | Assistant In The Department Of Greek And Roman Antiquities. | London: | Printed By Order Of The Trustees. | Sold at the British Museum; and by Messrs. Longmans & Co., 39, Paternoster Row; | Mr.Bernard Quaritch, 11, Grafton Street, Bond Street, W.; | Messrs. Asher & Co., 13, Bedford Street, Covent Garden; | and Mr.Henry Frowde, Oxford University Press Warehouse, Amen Corner. | 1907. | [All rights reserved.]

8°: liii, [1 blank], 258 p + 35 photo pls, each with tissue, bound-in after text; over 250 text fig. Greenish-black cloth, blind frames on cover, gold spine title. Dk gray, nearly black endp. 24.9 x 18.6 cm(9 3/4 x 7 1/4 in). Cut. LC 9-10973. JSL.

Cont: tp; print data; pref & note; tab cont & cat, indexes; pls list; abbrev list(biblio p xi-xii, 48 entries); addenda & corrigenda; introd (6 chs); cat; addenda; places index; subj index; in script index; materials index; index to the introd; pls.

Superb, richly detailed and annotated catalog of 1654 items, identifying the stones, giving dimensions, and the weight in grams. Marshall uses 35 categories based on metals as the first classification, and embellishments, types of stones, and other features as further subclasses. Many of the rings are set with gemstones and engraved gemstones. Selected examples are depicted on the excellent photographic plates which may show twenty or more pieces per plate, commonly with separate photographs of the engraved gem settings. In addition, there are very many sketches of rings scattered throughout the text. The introduction by itself is an admirable treatise on the ring in general, its uses, inscriptions and their significance, the materials used in their manufacture, including gemstones, principal types of rings represented in the collection, and a list of Greek & Latin terms for finger rings and their parts.

4224. -----1968, reprinted

Catalogue |...| Assistant In The Department Of Greek And Roman Antiquities. | Published By | The Trustees Of The British Museum [London, 1968]

Same pag & ill but pls without tissues. Dk green cloth, gold title on spine. Dk gray dj, white lett on front & spine. 24.9 x 18.7 cm(9 3/4 x 7 3/8 in). Cut. ISBN 7141 1223 2. Cont: tp; publ data; pref to reprint; pref; tab cont; etc, remainder same. High quality; some loss of detail in pls.

4225. -----1911 Catalogue of the jewellery...1911. LC 12-26201. Not seen.

4226. -----1969, reprinted

Catalogue | Of The | Jewellery, | Greek, Etruscan, And Roman, | In The | Departments Of Antiquities, British Museum. | By | F.H.Marshall, M.A., | Assistant In The Department Of Greek and Roman Antiquities. | Published By | The Trustees Of The British Museum [London: 1969]

16°: lxii, [1 blank], [1], 400 p + Pls I-LXXIII on [73]f + blank f; 97 text figs & inscriptions. Dk green cloth, gilt spine title. 27.9 x 22.5 cm(11 x 8 7/8 in). Cut. Pale tan, semi-glossy paper. ISBSN 7141 1224 0. JSL.

Cont: 1/2tp; tp; publ data; pref to reprint; pref; tab cont; pls list; abbrev list(biblio p xiii-xiv, 56 entries); introd; errata; cat of 3168 entries; places index; general index; materials index; inscriptions index; magical words; index to introd; tab of wgts & measures; pls; blank f.

The introduction provides a history of the collection and discusses the various types of jewelry represented according to periods and with remarks on stylistic distinctions and employments of materials as well as manufacturing techniques and the gemstones used, p lvii-lxii, among them being quartzes, coral, diamond, beryl, garnet, zircon, lapis lazuli, pearl, corundum, topaz, and turquoise. A superb production of an authoritative work that is constantly referenced in later works on the history of jewelry.

4227. MARSHALL, JOHN, editor Mohenjo-Daro and the Indus civilization. London: Arthur Probstain, 1931, 3 vol, 716 p. "An account of the archaeological remains at Mohenjo-Daro in the Indus Valley unearthed by the Government of India between 1922 and 1927. Age fixed between 3250-2750 B.C. Chalcedony in all its forms prominent among the objects and frequently display an advanced degree of lapidary skill. Other gemstone objects are made from rock crystal, amethyst, jadeite, turquoise, lapis, amazonite, steatite, alabaster, and also non-gem materials." Not seen; my reference to source lost.

4228. MARSHALL, WILLIAM B Microscopic structure of pearly fresh-water mussel shells. *Proc USNM*, 67, art 4, 1925, p 1-14, pls 1-4; also sep in print wrap.

4229. MARSTRANDER, ROLF Los mármoles de Carapé. *Uruguay, Instituto De Geología Y Perforaciones*, Bol 1, Julio 15, 1914. Edgestapled: 44 p, 15 fig, tab, 4 fold geol maps & plans. Pale gray wrap, cover title. 24.1 x 15.8 cm(9 1/2 x 6 1/4 in). Cut. JSL. Marble deposits in Carapé district, Departamento de Maldonado, Uruguay. Parallel text Sp & Engl.

4230. -----1915 Informe preliminar las riquezas minerales de la Republica Oriental Del Uruguay (Preliminary report on the mineral resources of Uruguay). *Inst Geol y Perf*, 2, Dic 1915. Edgestapled: 87 p; tabs; 2 large fold maps showing deposits. Pale gray print wrap, cover title. 23.3 x 16.3 cm(9 1/4 x 6 3/8 in). Cut. JSL. Marble p 45-59, amethysts, agates & chalcedonies, p 73-5, with disappointingly little said about the latter materials which are of considerable importance economically.

Text in parallel leaves in Sp & Engl, thus the pagination is duplicate and the work twice as large as the above pagination indicates.

4231. MARTENS, EDUARD KARL VON(1831-1904)
Purpur und Perlen | [wavy rule] | Von | Prof.Dr. E.v.Martens. | [rule] | Berlin, 1874. | C.G.Lüderitz'sche Verlagsbuchhandlung. | Carl Habel.

"Sammlung gemeinverständlicher wissenschaftlicher Vorträge herausgegeben von Rud.Virchow und Fr.v.Holtzendorff, Berlin."

8°: 55, [1]s; 9 fig. 20.3 x 13.2 cm(8 x 5 1/8 in). Cropped. USGS Kunz Coll, GS 33-265.

Cont: tp; publ data; text; notes & biblio(p 46, 55 entries); publ data.

Describes the ancient purple dye of the Mediterranean civilizations, its source and preparation, and pearls, the latter on p 20-45. Why these topics are discussed together is not evident; nevertheless, the discussion on pearl includes color play in nacre, structure of nacre, structure of pearls, formation, colors, sizes, pearls in history, freshwater pearls of Europe, fisheries for same, yields, etc. Short, concise, accurate.

MARTIN, J E H, see McALPINE, J F

MARTIN, JEANNE G M, see COPELAND, L L

MARTIN, R, see KAISER, E, 1926

4232. MARTIN, RICHARD A
Ancient Seals of the Near East | By | Richard A.Martin | Curator Of Near Eastern Archaeology | [logo] | Anthropology | Leaflet 34 | Field Museum Of Natural History | Chicago | 1940

Centerstapled: 4, [41], [3 blank]p; 24 photos. Pale tan wrap, cover title. 21.6 x 13.8 cm(8 1/2 x 5 1/2 in). Cut.

Brief explanation of the seal-engraver's art, significance of cylinder seals, with descriptions and photographs of selected specimens from the Museum's collection; the photo captions decipher inscriptions and/or explain depictions.

4233. MARTIN, THOMAS HENRI(1813-) Du succin, de ses noms divers et de ses variétés suivant les anciens. *Acad Inscript Belles-Lettres, Mém Présentées par Divers Savants*, Première série, t VI, prem partie, Paris, 1860, 4°: p 297-329, 28 x 20 cm(11 x 7 7/8 in). JSL. The author, a Fr philosopher, noted for his studies of Plato and a 2 vol work on the history of sciences in antiquity, traces here the etymology of the word *elektron* as applied to amber and other substances, metallic and mineral, and the synonyms of amber in various ancient languages. This is followed by a discussion of the provenance of Baltic amber, according to ancient writers, the trade routes over which it was carried to reach the Mediterranean and adjacent regions, the nature and origin of amber, and closing with an examination of the word *lyncurium* which Martin concludes was meant by the ancients to apply to a variety of zircon rather than to amber. G C Williamson, *Book of Amber*, 1932, "Martin gives so admirable a summary of the names given to amber that we cannot do better than repeat it in full," which he does on p 59. Valuable for its references to older writings and classical sources.

MARTINI, see GORLAEUS, A, 1609

4234. MARTINI, C Cyriaci Martini, Predigers zum Hl.Leichman, und Gottfried Zamelii, Rathsverwandten zu Elbing, Correspondence wegen des Börnsteins und anderer preussischen Sachen. *Acta Borussica*, 1, 1739, 41-59. Not seen; from G R v Bock, 1981, p 170.

4235. MARTINI, J Beiträge zur Kenntnis des Quarzes, *N Jb Min*, 1905, Bd 2, 1905, 55-65, 66-68, 72-73; pls 2-9. On yellow, brown, smoky, and amethyst quartz. Not seen: from A D Gonsalves, *Biblio Brasil*, 1928, p 130.

4236. MARTINI, W Die etruskische Ringsteinglyptik. *Mitteilungen der Deutsche Archäologische Inst*, Heidelberg, Erganzungsheft 18, 1971, 169 p, 4°, 40 pls. Not seen.

MARTIROSYAN, O A, see ATSAGORTSYAN, Z A

4237. MARTYNOVA, MARINA VASILEVNA
M.V.Martynova | [title in 2 cols, Russ left, Engl right] Dragotsennye | Kamen | V Russkom | Yuvelirnom | Iskusstve | XII-XVIII Vekov | Precious | Stone | In Russian | Jewelry Art | In XIIth-XVIIIth | Centuries | By M.V. Martynova | Moskva | "Iskusstvo" | 1973 | [logo] | Moscow | Iskusstvo | 1973

Titles, text, etc, in parallel Russian & English.

8°: 45, [1 blank]p + pls sect of [53]f; front col photo pl + 35 small col photos in text; 51 large col photos in pls sect; 8 b&w photos in append to pls sect. Pale olive unfin cloth, gold titles on cover & spine. Col dj, with large col photos on both covers. 34 x 26.5 cm(13 3/8 x 10 3/8 in). Cut. Glossy paper. 15,000 copies. 7 r 30 k. JSL.

Cont: 1/2tp; front; tp; edit data; quotes; text; pls tp; pls; append & pls list; publ data.

Large, well-produced work with color photographs of better than average quality for a contemporary USSR book. Discusses appeal of gemstones, lore, especially as developed in Russia, inventory records of gems & jewels, sources of gemstones via importation, development of jewelry-making in Russia, jewelry types, development of native gemstone sources in the Urals and elsewhere, native lapidary industry, famous jewelers, and descriptions of a large variety of objects from those meant for personal wear to crown jewels and church objects. The small color photos in the text appear in margins with matching references, if any, and are reductions of the larger photos in the plates section; the plates themselves are named in both languages but details on the objects are in Russian only. Among gemstones treated are corundums, garnets, quartzes, pearls, topaz, beryls, diamond, and others. The appendix shows several photographs of Russian imperial crowns and diamond-set jewels. The English text is occasionally awkwardly worded and contains a number of spelling errors.

MASER, E A, see BARTOLI, L

4238. MASICKA, H Przegląd niektórich wazniejszych metod badawaczych bursztynu. [Übersicht der wichtigsten technischen Bernsteinanalysen]. *Pomerania Antiqua*, Gdansk, 6, 1975, 355-73. Not seen; from G R v Bock, p 177.

4239. MASINI, L Considerazioni sopra alcuni supplementi, e note. Traduttore del sec. tratta di Pietra Mariette ch seque le memoria degli intagliatori moderni in gemme. Con... di un nuova catelletto per incider le pietre orientali. Venice: Fr.Pitteri, 1756. One engrav; inits; large fold pl. 4°. Not seen; from a bookseller's catalog, 1979; Cicognara 264.

4240. MASKELL, ALFRED OGLE

Ivories | By | Alfred Maskell, F.S.A. | [logo] | Methuen And Co. | 36 Essex Street | London [1905]

"Connoisseur's Library, General Editor: Cyril Davenport"

8°: [blank]f + xii, [2], 443, [1]p; photograv front pl with tissue; 88 other photo pls with tissues. Red cloth, rect gilt panel at top of front cover, gilt floral panels to each side of a central panel bearing title & author; remainder of cover with blind frame & floral orns; spine panel similar; plain back cover. 25.4 x 18 cm(10 x 7 1/8 in). Teg; others uncut. Another copy(reissue?) lacks gold orns on front cover. USA $7.50, or $6.75, if all vols in series were purchased. JSL.

Cont: blank f; ser tp; tp; publ data; pref; tab cont; pls list; 19 chs; ivories list; biblio(p 431-7, 204 entries); index; print data.

One of the great books on ivory, authoritative, handsomely illustrated, and made of high quality materials. As usual, the major emphasis is on the art displayed in the carvings and in this respect it could very well serve as a logical supplement to G F Kunz's *Ivory and the Elephant*, 1916, and G C Williamson's *The Book of Ivory*, both of which devote much more space to ivory as a material and its natural history, Kunz's work more so. Nevertheless, Maskell does not ignore these aspects by treating them adequately for most purposes in his first chapter, covering such topics as nature of ivory, sources, qualities, tusk sizes, and following up this chapter with one on the history of ivory among various cultures from antiquity to the present. Other chapters treat the artistic merits displayed in these carvings and include examples from the East as well as the West. There is an instructive chapter on working, coloring, and forging of ivory and ivory imitations. A book of enduring value.

4241. -----1966, reprinted

Ivories | by Alfred Maskell F.S.A. | Charles E.Tuttle Co.: Publishers | Rutland, Vermont Tokyo, Japan [title in red & black, framed; 1966]

8°: 551, [1 blank]p; 257 ill on 89 fullp pls in grav; no tissues; all printed on pale tan ground and includ in pag. Pale tan leatherette spine, elaborate gilt florals & title; bds covered in dk red cloth with small blind stampings and a gilt title enclosed in gilt frame. Pale tan endp. Red dj, many small pale tan photos + title; flap resume, other publ bks. 25.7 x 18.2 cm(10 1/8 x 7 1/8 in). Cut. LC 66-20572. $17.50. JSL.

Cont: 1/2tp; front; tp; publ data; publ fwd; pref; tab cont; pls list; text tp; text; ivories list; biblio; index; blank p.

Pagination entirely renumbered; called the "First" edition on p 6(!). Excellent reproduction of lett & ill, but binding garish in taste.

MASKEYNE, MERVIN HERBERT NEVIL STORY, see STORY-MASKELYNE, M H N

4242. MAŚLANKIEWICZ, KAZIMIERZ Rizprawa Teofrasta *O kamieniach. Studia i Materialy z Dziejow Nauki Polskiej, Seria C: Historia Nauk Matematycznych, Fizyko-chemicznych i Geologiczno-geograficznych*, Warsawa, 17, 1972, 217- 33. On Theophrastus' Peri Lithon; not seen.

4243. MASON, ANITA An illustrated dictionary of jewellery. Reading, Berkshire, England: Osprey Publishing, Ltd., 1973. 389 p, ill, £5.95. Rev M J O'Donoghue, *J Gemm*, 14, 3, 1974, 142-3, "first-class... I could find no fault with the exhaustive gemmological information included."

4244. ----- 1974, New York

An Illustrated Dictionary of | Jewellery | Anita Mason | Illustrated by Diane Packer | Harper & Row, Publishers | New York, Evanston, San Francisco, London [line sketch of jewel at top of tp; 1974]

8°: [2 blank], [5], [1 blank], 389, [1], [2 blank]p; ca 220 line drawings in text. Yellow-green cloth, gold logo on cover; gold spine title. Col dj, dec on both covers; flap resume. 23.3 x 15.5 cm(9 1/4 x 6 1/8 in). Cut. $8.95. ISBN 060128-6; LC 73-11590. JSL.

Cont: blank f; 1/2tp; tp; publ data; pref & abbrev; text; biblio(p 387-90, 110 entries); blank f.

There is a great deal of useful information compressed into this large volume on jewelry in all its manifestations, related arts and crafts, and materials, but much gemological information could have been omitted with advantage, eg, hundreds of terms applied to gemstone varieties, including misleading names, so many of which are now so obscure or rarely used that their omission would not have impaired the basic value of this book as a reference. In regard to gemstones and other matters, the work is by no means free of errors while entries on lapidary work, as indicated by the bibliography entry, are all based on one modern treatise and that neither the best nor the most thorough. The bibliography neglects to include other important glossaries and dictionaries. The problem with all dictionaries of this type that seek to be comprehensive is that the author is hard-pressed to expertly select only those truly significant terms whose aggregate will yield a book of reasonable and saleable size. However, in respect to jewelry-related matters, this work will prove useful. Rev *G & G*, 14, 9, 1974, 235-6.

4245. MASON, JOHN ALDEN(1885-) Turquoise mosaics from northern Mexico. *The Museum Journal*, The Museum of the University of Pennsylvania, Philadelphia, 20, 2, 1929, 157-75, 3 sketches, 1 photo. JSL; Harding & Bolling, p 62. On the history of turquoise in Mexico, its use, and the manufacture of the well-known inlays and overlays, with notes on materials & techniques.

MASQUELIER, L J, see WICAR, J B J, et al

4246. MASSON, EMILIA Quelques sceaux hittites hiéroglyphiques. Paris, 1975, 27 p, 94 fig. Not seen, from Thomas Heneage, London, Cat 2, 1981, Suppl, item 176.

4247. MASSON, MICHAEL, pseud for MICHEL RAYMOND Daniel le lapidaire, ou les contes de l'atelier. Paris: Levasseur, 4 vols, 1832-3; not seen, from a bookseller's catalog, "These tales met with considerable success at the time. Their author was a former cutter of precious stones and was intimately familiar with the background of his stories."

4248. MASSON, PAUL(1863-1938) Les compagnies du corail; étude historique sur le commerce de Marseille au XVI Siècle et les origines de la colonisation française en Algérie-Tunisie. Par Paul Masson... Paris, Fontemoing; [etc., etc.] 1908. 2 p, l, 254 0, 1 l, V pls. 25 1/2 cm. LC 15-8231. Not seen.

4249. MASSOT, MAX Au pays de l'or et du diamant. Paris: Editions des Portiques, 1932. 253, [1]p, 19 cm. LC 33-122. Not seen; also in Southey, 44.

MASTERWORKS OF CHINESE JADE IN THE NAT PAL MUS, see NATIONAL PALACE MUSEUM

4250. MASTIN, JOHN(1865-)

The Chemistry, Properties | And Tests | Of | Precious Stones | By | John Mastin, M.A., D.Sc., Ph.D., Litt.D. | F.S.A. Scot. F.L.S. F.C.S. F.R.A.S. R.B.A. | Author of "Parasites of Insects," "The True Analysis of Milk," | "Plate-Culture and Staining of Amoebae," etc., etc. | [logo] | London | E. & F.N.Spon, Limited, 57 Haymarket | New York | Spon & Chamberlain, 123 Liberty Street | 1911

8°: [7], [1 blank], 114 p; erratum slip insert p 64. Limp maroon, grained or smooth leather, blind edge frame, gold title & orn on cover & spine. 16.1 x 10.3 cm(6 3/8 x 4 in). Cut. Teg. JSL.

Cont: 1/2tp; author bks: tp; tab cont; pref; 15 chs; index.

Brief, elementary textbook in Which the first chapter is introductory, the 2nd to 10th on origin & properties, 11th on lapidary work, 12th on imitations, synthetics, and discriminatory tests, and remaining chapters descriptions of principal gemstones. By far the largest space is devoted to practical identification, hence making this small work one of the earliest modern books to adequately discuss this subject. Reprinted at least once in yellow-green cloth, but with text identical, including erratum slip.

4251. -----1911(?) or after The ancient mining of gold, silver, and precious stones. By Prof. John Mastin. London: Simpkin, Marshall, Hamilton, Kent & Co. Not seen.

4252. -----nd, 2nd edit The ancient mining... 2nd ed. ... London, Simpkin, Marshall, Hamilton, Kent & Co., Limited [1911?]. 3 p, l, 50 p, 1 l, 18 1/9 cm. GS 14-37. Not seen.

4253. -----nd, 5th edit

The Ancient Mining of Gold, | Silver, and Precious Stones | By | Prof.John Mastin, M.A., D.Sc., | Ph.D., Litt.D., LL.D., F.L.S., F.C.S., | F.S.A. Scot., F.R.A.S., F.R.M.S., Etc. | Author Of | "Parasites of Insects;" "The True Analysis Of Milk;" | "Plate-Culture And Staining Of Amoebae;" | "The Chemistry, Properties And | Tests Of Precious Stones;" | Etc., Etc. | Fifth Edition. | Translation and all other rights reserved by the Author. | [double rule] | London: | Simpkin, Marshall, Hamilton, Kent & Co., Limited.

Edgestapled: [2 blank], [5], [1 blank], 50, [1 blank], [1], [2 blank]p. Pale gray wrap, title on cover. 18.5 x 12.4 cm(7 1/4 x 4 7/8 in). Cut. USGS GS 14-37. JSL.

Cont: blank f; tp; dedic; tab cont; 7 chs; blank p; press note; blank f.

A disappointing work and considering the author's qualifications, one of very little merit, obviously hastily composed and written as a speculative essay with virtually no facts, figures, or references to support the statements. On the whole, the latter are generalizations on what might have happened in antiquity during man's search for and exploitation of the mineral wealth underground. So far as I can find, the only mention of gemstones, diamond and ruby, appears on p 41, and that is grossly inaccurate.

4254. MASUDI, ABU 'L-HASAN ALI IBN HUSAIN IBN UL-(d ca 956)

There are several variations in the name as well as positioning of pronunciation marks, etc, but the name MASUDI is usually enough for finding purposes, although George Sarton (among others), *Introduction to the History of Science*, 1, 1927, p 637, gives "Abu-l-Hasan 'Ali ibn al-Husain ibn 'Ali al-Mas'udi; b in Bagdad about the end of the third century, i e, before 912. Spent the last ten years of his life in Syria and Egypt, died in Cairo c 957... traveler, geographer, historian... his main work extant is called "Meadows of gold and mines of precious stones"... it is remarkable for the catholicity of its author, who neglected no source of information." Sarton continues with other writings of Masudi, texts and translations, and criticisms. See also a good summary in *Encyclopedia Britannica*, 1960, vol 15, p 44-5, which states that a French translation that included the "Meadows of Gold" appeared in 9 volumes, 1861-77. This may be the same as in LC 18-10768 (not seen), giving "[Meadows of Gold Mines and Precious Stones]. Edit: De Meynard & De Courteille, Paris, 1864. The Arabic title is MŪRUJ al-DHAHAB WA-MA'ĀDIN AL-JAWHAR." C E N Bromehead, "Geology in embryo(up to 1600 A.D.)," *Proc Geol Assoc*, London, 56, pt 2, 1945, 89-134, esp p 119, notes "Al Masudi... wrote on gold and precious stones, earthquakes and various geological problems. A French edition, "Les Prairies d'Or," 9 vols. 1861-77 exists, but I have not seen it." However, he apparently saw it later for in his bibliographic essay, "A Geological Museum of the Early Seventeenth Century," *Quart J Geol Soc London*, 103, 1947, 65-87, Pl II-IV, he provides this entry: "MACOUDI, AL. [In English, usually MASUDI or MASOUDI.] 943 A.D. Arabic text and French translation... [by]... C.Barbier De Meynard & A.Pavet De Courteille, Vol 1, Paris, 1861." I regret that I cannot supply further information on this apparently important work.

4255. MATEOS, JOSEFINA PEREZ Investigacion del color en la turmalina por Josefina Perez Mateos, Doctora en ciencias naturales. *Consejo Superior de Investigaciones Cientificas, Serie Geologica*, Sumario del tomo I, num 3, 1944, Madrid(?). 8°: [4] + p 10-87 + [3 blank]p. Pls I-VII (2 part col); 3 fold tabs; 54 fig(crystal drawings). No wrap. 24 x 17.2 cm(9 1/2 x 6 3/4 in). Cut. JSL.

On color in tourmalines, in part one, treating generalities on the mineralogy, nomenclature, chemical composition, crystallography (with many forms shown in the drawings as gathered from many publications), physical, optical properties, synthesis, pseudomorphs, deposits, and occurrences in Spain and elsewhere. The second part describes the author's "electro-chemical" method of analysis and gives her conclusions as to causes of color. There are folding tables summarizing chemical analyses as gleaned from the literature to which are added her results, and followed by results of optical examinations indicating the dichroic colors perceived and the refractive indices. The photos on the

plates are of thin sections, specimens, and spectrograms. The following article is a possible derivation.

4256. -----1944 El color en la turmalina. *Notas y Communicaciones del Instituto Geologico y Minero de España*, Madrid, nr 13, 1944, 217-89, 2 pls. JSL.

4257. MATERIALY PO VOPROSU O POLEZHENII | NUZHDAKH GRANILNOGO I MANEREZNOGO DELA V ROSSII - Otchet o deyatelnosti Komissii Po Izucheniyu Estestvennykh Proizvoditelnykh Sil Rossii, Sost. Pri. Ros. Akad. Nauk, Otchet Otd. Dragotsennogo i Podelochnogo Kamnya. Petrograd, 1919, 92 p. Not seen.

4258. MATHES, W MICHAEL

The Pearl Hunters | in the | Gulf of California | 1668 [foregoing in sepia ink] | Summary Report of the Voyage made to | the Californias by Captain Francisco de Lucenilla. | Written by Father Juan Cavallero Carranco. | Transcribed, translated, and annotated | by | W.Michael Mathes | 1966 | Dawson's Book Shop, Los Angeles, California [all enclosed in sepia frame]

"Baja California Travels Series, Gen editors Edwin Carpenter and Glen Dawson... 600 copies printed by Grant Dahlstrom... 1966"

8°: 91, [1], [4 blank]p; sketch map; reprod antique map fold on tan imit hand-laid paper, 21.5 x 25.7 cm(8 1/2 x 10 1/8 in), tip-in to face p 89. Pale blue unfin cloth, gold spine title. 21.5 x 14.2 cm(8 1/2 x 5 5/8 in). LC 66-17208. $8.00. JSL.

Cont: blank f; ser tp; tp; publ data; dedic; introds(2); tp to report; rept; causes of failure; sketch map; fold map; biblio(25); publ data; 2 blank f.

The general introduction summarizes the history of pearl-fishing expeditions to the Gulf of California and is followed by a brief introduction to the translation, the original being in the Biblioteca Nacional, Madrid. The report fills most of the book and is mainly a running commentary by an eyewitness member of the ill-fated expedition of Lucenilla, its personnel, and its adventures and mishaps. The pearls obtained were few in number, indifferent in quality, and obtained principally by barter from natives.

MATHEWS, E B, see MERRILL, G P, 1898

MATHILDE, PRINCESSE, see CATALOGUE DES JOYAUX COLLIERS ET PERLES

4259. MATHUR, S M Geology of the Panna diamond deposits. *Records Geol Survey India*, 87, part 4, 1962, 787-818, 4 pls(includ geol sketch map). "The diamond deposits... stretching from north-east to south-west in a belt 60 miles long, are classified on geological basis, and each type described. The ultramafic volcanic rock found at Majhgawan is recognized as a primary source" Not seen, from *Annot Biblio Econ Geol*, 35, 2, 1964, 267; *Min Abstr*, 16, 1, 1963, 48. See also "Diamond mining and recovery at the Majhgawan mine in Panna, Vindhya Pradesh," *Indian Minerals*, Geol Survey India, 7, 1953, 34-42, 4 pls, 2 text fig. Not seen: "in addition to data on present operations and statistics on output, the history of these famous deposits is briefly summarized."

4260. MATHUR, S M & SINGH, H N Geology and sampling of the Majhgawan diamond deposit, Panna district, Madhya Pradesh. *Bull Geol Survey India*, Ser A, Econ Geol, no 21, Delhi, 1962. Edgestapled: [1], [1 blank], iv, 59, [1 blank]p; 5 photo pls on 3 glossy f bound-in; fold sketch plan; 40 tab. Pale tan wrap, cover title, other survey publs. 24.5 x 16.2 cm(9 5/8 x 6 3/8 in). Cut. Price inland Rs 2.45 nP - foreign 5 sh 9d or 89 cents. JSL. Describes regional geology, diamondiferous volcanic pipe & contents, sampling, results, recommendations, refs(p 59, 7). Appendixes describe samples and diamonds, with interesting glossary native terms used to describe color, form, and inclusions in diamonds"(p46). Among photos are diamond in matrix, inclusions in pipe rock, mining & recovery activities.

4261. MATLINS, ANTOINETTE LEONARD & BONANNO, ANTONIO C

The Complete Guide To Buying | [rule] | Gems | How to Buy Diamonds and Colored | Gemstones with Confidence and Knowledge | [rule] | Antoinette Leonard Matlins | & | Antonio C.Bonanno, F.G.A., P.G. | Drawings by James E.Barry | Crown Publishers, Inc., New York [1984]

Cementb: xvii, [1 blank], 206 p; 33 line drawings(many multiple); 9 col photos on 4 glossy f(not includ in pag). Pale blue-gray cloth spine, silver title, black paper over sides. Col dj, col facet gem on front; flap resume, vitas, reviews. 23.3 x 15.5 cm(9 1/8 x 6 1/8 in). Cut. LC 83-10056; ISBN 0-517-54792-9. JSL.

Cont: 1/2tp; tp; publ data; dedic; ackn; tab cont; col pl list; ackn; introd; 19 chs; appends(biblio, p 200-3, 44 entries); index.

Simply-written, readily understandable guide, adopting the common-sense approach that an untrained person can do much to assure himself of buying well by use of little more than a 10-power magnifying glass, providing the guidelines and rules recommended by the authors are followed. There are no tests for specific gravity or refractive index as such, nor how to use the necessary instruments if one had them, rather there is given some idea of the value of these properties indirectly arrived at as explained in the text. Major wordage is devoted to the diamond, and less to all other gemstones, while there are sections on selling practises and lists of gem identification laboratories and jewelers associations. The references are uneven in quality, some are first class, but others seemingly chosen to fill out the list, while still others, bearing directly upon the problems addressed by the authors, are not included. The senior author is daughter to A C B; both are practising jewelers/gemologists in Washington, D C.

4261A. -----1987, reprinted with title change

Jewelry & Gems [underlined] | The Buying Guide | How to Buy Diamonds, Pearls, Precious and Other | Popular Gems with Confidence and Knowledge | Antoinette L. Matlins & A.C. Bonanno, F.G.A., P.G., M.G.A. | [rule] | Gemstone Press | [rule] [South Woodstock, VT 05071, 1987]

Cementb: xv, [1 blank], 206, [1], [1 blank] p + stiff leaf bearing two detacheable postcards. Same illust. Plasticized col photo wrap, vitas & author photos inside back cover; reviews outside back cover. 22.8 x 15.1 cm(9 x 6 in). Cut. ISBN 0-943763-01-0; LC 87-23807. JSL.

Contents same but adds advert page & postcards.

4262. MATOUK, FOUAD S Corpus du Scarabée Egyptien. Tome premier. Les scarabées royaux. Ouvrage couronné par l'Académie Libanaise. Libanon, [1971]. "A comprehensive catalogue of the Matouk collection, 6,800 hitherto unpublished scarabs, mostly originally in the celebrated collection of R H Blanchard." Not seen: from a bookseller's catalog of 1979.

MATTHEWS, I G, see DYER, H B

MATTHEWS, JOSIAH WRIGHT

B Engl; MD Univ Glasgow; emigrated to Natal 1864, practised many yrs in Griqualand West, esp Kimberley; represented Kimberley in Cape House of Assembly; some time vice-pres Legislative Council of S Afr.

4263.-----1887

Incwadi Yami | Or | Twenty Years' Personal Experience | In | South Africa | By | J.W.Matthews, M.D. | Late Vice-President of the Legislative Council Of South Africa, And Late Senior | Member For Kimberley In The Cape House Of Assembly | [rule] | New York | Rogers & Sherwood | 1887

8°: 542 p; glossy front pl(photo portraits) tip-in ahead of tp; 29 other pls(photos, wood engrav, etc) tip-ins; 23 fig; ch orns. Dk blue-green cloth, elaborate black-stamped jungle scene on cover with gold-stamped native medicine-man ministering to a patient at his feet, and with gold autograph signature of author. Black, gold, dec on spine, with gold cut gem & emanating rays. Plain back cover. Greenish floral pattern endp. 23 x 14.5 cm(9 1/8 x 5 3/4 in). Cut. JSL.

Cont: extra blank flyleaf; front; tp; publ data; dedic; tab cont; ill list; pl; 34 chs; append; extra blank flyleaf.

The author describes in vivid and often minute detail his experiences in South Africa wherein he set up his medical practise in 1871 that was to last for many years. While he also remarks on other regions of South Africa, it is Griqualand West that receives his most intensive attention inasmuch as this former province was his home and the place of practise during his career in Africa. This province also happened to be that in which the most important diamond deposits were found and mining for them carried on most intensively, thus making Matthews' reminiscences particularly valuable for the light they shed on the contemporary scene in the diamond fields. No aspect of life is neglected, not the climate, countryside, living conditions, diseases, habits & customs of the natives and miners, among others, in this fascinating account. Perhaps the most valuable contribution in regard to the history of the fields appears in Ch 9, p 126-35, wherein he discusses the initial discovery of diamond in South Africa, and gives a verbatim report of the statement made to him by John O'Reilly concerning the latter's first diamond find (p 129). There are also chapters on the geology and mineralogy of the deposits as then known, and speculations as to the true character of the deposits and the original source of the stones, methods of mining, both alluvial and deep, illicit diamond buying, legislation on same, formation of the great diamond companies, and the beginnings of claims-consolidation. The appendix, p 519, provides a table of diamond exports for 1882-6. All of this work makes a prized account much esteemed by historians for its accuracy and interest. See for example Mendelssohn's considerable commentary; also in Theal, p 193; Southey, no 45; Allibone, *Suppl*, 2, p 1091. A recent commentary is available in W M & Vincent Buss *The Lure of the Stone*, 1976.

4264. -----1888, London edit Mentioned by Allibone, *Suppl*, 2, 1091, but I have not been able to confirm its existence.

4265. MATTHIAE, PAOLO Empreintes d'un cylindre Paléosyrine de Tell Mardikh. Paris, 1969, 43 p, 2 pls, 3 fig. Not seen: from Thomas Heneage, London, Cat 2, 1981, Suppl, no 178.

4266. MATTOS, L E DE Perfil analitico de agata. *Bol Div Geol Miner Brasil*, 29, 18 p. Not seen.

4267. MATZ, FRIEDRICH

Die | Frühkretischen | Siegel | Eine Untersuchung Über Das Werden | Des Minoischen Stiles | Von | Friedrich Matz | Mit 115 Abbildunken Im Text Und 26 Tafeln | [logo] | Berlin Und Leipzig 1923 | Verlag Von Walter De Gruyter & Co. | Vormals G.J.Göschen'sche Verlagshandlung - J.Guttentag, Verlagsbuch- | Handlung - Georg Reimer - Karl J.Trubner - Veit & Comp.

8°: XIV, [1], [1 blank], 277, [1 blank]p + 26 photo pls on as many f, tissued, bound-in + [4 advert] p; 115 text fig. Thick, pale gray wrap, title on cover enclosed in double-rule frame; spine title; advert back cover. 28.3 x 21.2 cm(11 1/8 x 8 3/8 in). Uncut. JSL.

Cont: 1/2tp; tp; print data; dedic; fwd; tab cont; ill sources; abbrev (biblio p [XV], 32 entries); 9 chs; append; index; pls; advert.

Large & elaborate, carefully referenced work tracing development of Minoan art styles through study of early Cretan seals, and comparing such stylistic elements to those found in artifacts of other cultures. However, the seals, as such, and their materials & manufacture, receive relatively little attention.

4268. MAUBOUSSIN, G

3 | Le | Diamant | Cette plaquette, publiée. | l'occasion de l'Exposition | du Diamant en 1931 fait | Suite à celles qui ont été | consacrées,en 1928 et en | 1930 à l'Emeraude et au | Rubis. | Edité Par | G.Mauboussin | Paris [title in black & blue]

4°: [2 blank], [1], [2 blank], [2], [1 blank], [18], [3 blank], [1], [4 blank]p; 2 graphs in black & blue; 30 ill(mainly photos) blue-tinted. The first & last gatherings of 4 leaves are glossy paper; the remainder rough-surfaced pale-tan stock. First & last f enclosed by thick, pale tan wraps, inward folding flaps; title in black & blue on cover. 24.3 x 15.9 cm(9 5/8 x 6 1/4 in). Cut.

Brief remarks on diamond followed by many handsome illustrations of diamond mining, cut stones, famous diamonds, jewelry, etc.

4269. MAURO, FRANCESCO

Francesco Mauro | Pietre Preziose | E Semipreziose | Delle | Alpi Italiane | Milano | MCMXL-XVIII [1940]

"Estratto dalla Rivista di Scienze Naturali "Natura" - Vol. XXXI ... Pavia - Tipografia Succ. F.lli Fusi - 1940-XVIII" [in vol 31, no 2, p 41-61]

8°: 23, [1 blank]p; 2 glossy tip-in pls of cut gems. 24.3 x 16.9 cm (9 1/2 x 6 5/8 in). Cut. JSL. Cont: tp; publ data; text; blank p.

The gemstones found in the Italian Alps are corundum, spinel, chrysoberyl, beryl, euclase, zircon, garnet, tourmaline,

olivine, vesuvianite, scapolite, kyanite, staurolite, datolite, epidote, titanite, prehnite, zeolite, feldspar, obsidian, pyroxene, serpentine, quartz, chalcedony, fluorite, and apatite, but many are doubtfully suitable for cutting. Footnote ref. Excellent color plates depict faceted gems of scapolite, demantoid, prehnite, essonite, vesuvianite, staurolite, kyanite, dataolite, and titanite, also (pl 2) cabochons of serpentine, violane, thulite, rose quartz, obsidian, vesuvianite, piemontite, and rhodonite.

MAWE, JOHN(1764 or 1766-1829)

Brit mineralogist, gem merchant; b Derbyshire; spent early years at sea; collected minerals from England & Scotland for cabinet of King of Spain; journeyed to South America, imprisoned in Montevideo but released, to visit Brazil, 1809-1810, traveling into interior to view the diamond mines & other places of interest; returned to England in 1811, establishing a shop in London's Strand; mbr Geol Soc London, Min Ges of Jena. Pogg 2, 89; obit *Bull Sci et Geol Paris*, 20, 1830, 432; DNB 1352; see interesting series articles "The colourful career of...", *The Gemm*, 23, no 278, 1954, 157-62, ill, to vol 24, no 284, 1955, 49-50(altogether 7 arts).

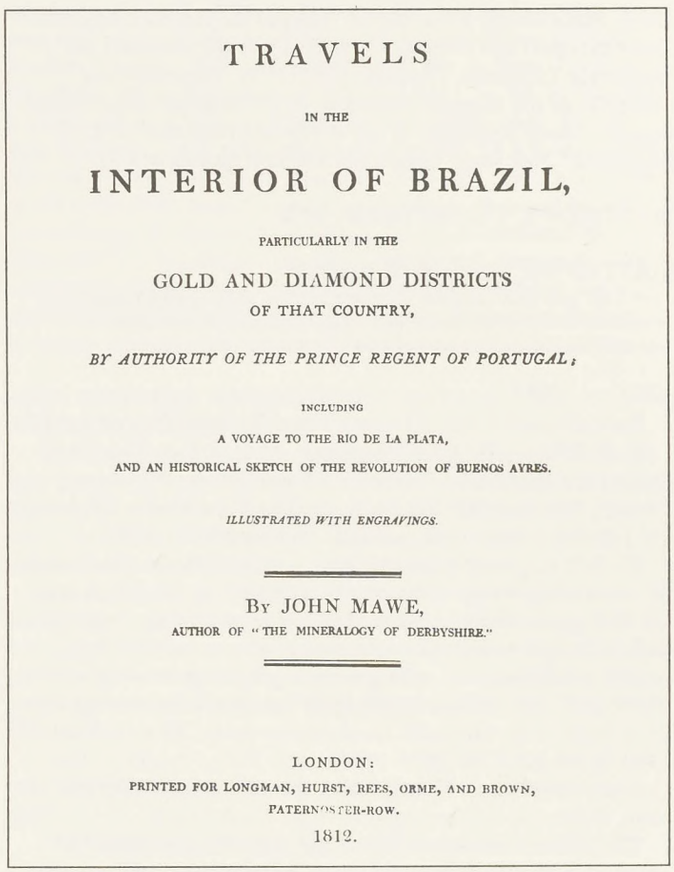
4270. -----1812, Travels in Brazil series

Travels | In The | Interior Of Brazil, | Particularly In The | Gold And Diamond Districts | Of That Country, | By Authority Of The Prince Regent Of Portugal; | Including | A Voyage To The Rio De La Plata, | And An Historical Sketch Of The Revolution Of Buenos Ayres. | Illustrated With Engravings. | [double rule] | By John Mawe, | Author Of "The Mineralogy Of Derbyshire." | [double rule] | London: | Printed For Longman, Hurst, Rees, Orme, And Brown, | Paternoster-Row. | 1812.

4°: vii, [1 blank], 366, [2] p; engrav front pl tip-in + 8 others, one of mineral specimens hand-col, another a map. 26 x 21.3 cm(10 1/4 x 8 3/8 in). Cut.JSL; Agassiz III, 566; LC 22-4181.

Cont: front; tp; print data; dedic; tab cont; 20 chs; append; pls explan; 3 pls; dir to binder; Mawe's business advert.

A work much valued by historians and geographers as one of the earliest reliable accounts of Brazil under Portuguese colonization, and the first on the diamond & gold washings and the manner in which they were conducted. The account is replete in details on the geography, the people and their customs, habitations, plants and animals, trade, and many others made by a shrewd and intelligent observer. Chapters 10 to 15 contain scattered references to diamonds and other gemstones, but the best specific information is found in Chapter 8 and 15, on all aspects of diamond mining. Near the end of Chapter 10 Mawe mentions his visit to the famous precious topaz mines near Villa Rica(Ouro Preto), this probably being the first printed account of a deposit which still produces fine gem topaz. The appendix is a potpourri of information, eg, the revolution in Buenos Aires, recommendations for improving agriculture, derogatory comments on the diamond-mining regulations which Mawe considered excessively harsh, his views on Brazilian society, on negroes, on diseases peculiar to Brazil, and on the use of mercury in recovering metals from ores. The frontispiece plate is the well-known view of diamond-washing showing negro workmen under a thatched sun shelter; other plates depict scenes in the diamond region, mining machinery, crystal drawings, a plate of land shells, and mineral specimens, including a diamond crystal in conglomerate matrix, hand-colored. Not all copies contain hand-colored plates. In general, most copies are moderately to severely foxed. In this connection, Borba de Moraes, *Bibliogr*



TRAVELS

IN THE

INTERIOR OF BRAZIL,

PARTICULARLY IN THE

GOLD AND DIAMOND DISTRICTS

OF THAT COUNTRY,

BY AUTHORITY OF THE PRINCE REGENT OF PORTUGAL;

INCLUDING

A VOYAGE TO THE RIO DE LA PLATA,

AND AN HISTORICAL SKETCH OF THE REVOLUTION OF BUENOS AYRES.

ILLUSTRATED WITH ENGRAVINGS.

By JOHN MAWE,

AUTHOR OF "THE MINERALOGY OF DERBYSHIRE."

LONDON:

PRINTED FOR LONGMAN, HURST, REES, ORME, AND BROWN,

PATERNOSTER-ROW.

1812.

4270. Titlepage to the first edition of Mawe' travels in Brazil, a book that became instantly popular and was translated into a number of foreign languages

Brasiliana, 2, p 41, states that "Mawe's book had considerable success... [which] lies in the fact that it is the first narration made 'de visu' of the gold and diamond mines in Brazil. The view of the Jaragua mining camp is the first landscape document we have of the interior of São Paulo, as noted by Taunay."

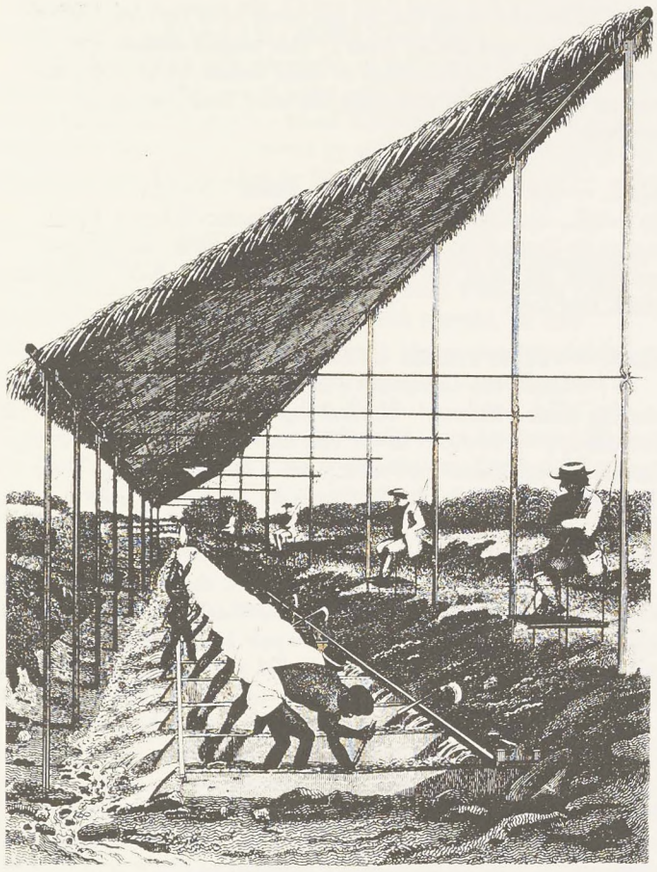
4271. -----1815, London, reprinted with new tp; not seen; also 1816 ?

4272. -----1816, Philadelphia

Travels |...| Particularly In | The Gold And Diamond Districts | Of That Country, | By Authority Of The Prince Regent Of Portugal; | Including | A Voyage To The Rio De La Plata, | And An | Historical Sketch Of The Revolution Of Buenos Ayres. | Illustrated With Five Engravings. | [taper rule] | By John Mawe, | Author Of "The Mineralogy Of Derbyshire." | [taper rule] | Philadelphia, | Published By M.Carey, No.121, Chestnut Street, | And Wells And Lilly, Boston. | 1816.

4°: vii, [1 blank]p + p 9-373 + [2], [1 blank]p; front fold engrav pl; 3 fold engrav pls in text, all bound-in; 1 engrav pl bound-in at end. 21.1 x 13.3 cm(8 1/4 x 5 1/4 in). Cut, cropped. Directions to binder slip inserted. JSL.

Cont: front; tp; dedic; tab cont; 20 chs; append; pls explan; pl; blankp.



4270. The diamond washing plate from Mawe's "Travels"

Front: negroes washing gravel; p 145 map of author's route; p 229, fold pl of diversion flume; p 284 fold pl of apparatus; at end, the fold pl of diamond, topaz, tourmaline crystal forms; there is no plate of mineral specimens. Very rare.

4273. -----1816, Paris

Voyages | Dans L'Interieur | Du Brésil, | Particulièrement | Dans Les Districts De L'Or Et Du Diamant, | Faits avec l'autorisation du Prince Régent de Portugal, | en 1809 et 1810. | Contenant Aussi | Un Voyage Au Rio-De-La-Plata, | Un Essai Historique Sur La Révolution De Buenos-Ayres. | Par Jean Mawe. | Traduits De L'Anglais | Par J.-B.-B. Eyriès | Enrichis de Figures. | Tome Premier [-Seond]. | Paris, | Gide Fils, Libraire, | rue Saint-Marc-Feydeau, n°20. | [wavy rule] | M.DCCC.XVI.

I:8°: xlij, 358 p; engrav front pl, another in text; fold engrav pl at end; all 3 bound-in. Pink printer's wrap, paper spine label. 21.6 x 13.5 cm(8 1/2 x 5 1/4 in). Uncut. JSL; Agassiz III, 566.

Cont: 1/2tp; publ data; front; tp; pref; dedic; 12 chs; tab cont; pl.

II: 381, [1 blank]p + [1]f erratum; front engrav pl, another in text facing p 38; engrav fold route map at end, all bound-in. *Note*: the front pl is designated "Pag.41," and in bound copies, is usually found at that place.

Cont: 1/2tp; publ data; front; tp; 9 chs(numbered anew); suppls; tab cont; index; erratum; map.

The preface was written by Eyriès and gives a concise history of Brazil from its discovery up to the time of Mawe's visit, with remarks on works previously published by other travelers as well as some economic and geographic information. The supplement is now greatly enlarged by the articles on the principal events in the revolution of the provinces of Rio de la Plata, p 271-299, and a description of the Azores, p 301-362, by Jean Gustave Hebbe. Engrav pls: I Jaragua gold washing, topaz mine, mining equipment; II negroes washing diamond gravel, flume, and fold map of Mawe's route in Brazil.

4274. -----1816, Bamberg & Leipzig John Mawe's Verf. der Mineralogie von Derbyshire, Reisen in das Innere von Brasilien, vorzüglich nach den dortigen Gold- und Diamant-Distrikten, auf Befehl des Prinzen-Regenten von Portugal unternommen. Nebst einer Reise an dem la Plata Fluss, und einer historischen Auseinandersetzung der letzten Revolution in Buenos Ayres. Nach dem Englischen, mit Anmerkungen begleitet deutsch herausgegeben von G.A.W. v. Zimmermann. Bamberg und Leipzig, bei Carl Fried.Kurz, 1816. 2 vol, 19 x 13 cm; vol 1: 1 f un with preface, 224 p, 1 f un; vol 2: from [225] to 556 p, 1 f un. Not seen, from Borba de Moraes, 2, 42.

4275. -----1817, Milan

Viaggio | Nell' Interno Del Brasile | E Particolarmente | Nei Distretti Dell' Oro E Dei Diamanti | Fatto Nel 1809-10 | Con Permesso Speciale | Del Principe Reggente Del Portogallo | Da Gio.Mawe | Coll' Aggiunta Di Un' Appendice | Tradotto Dall' Inglese | Dall' Ab.Lorenzo Nesi | con tavole in rame colorate | [rule] | Tomo I [-II] | Milano | Dalla Tipografia Sonzogno e Comp. | 1817.

Vol 39 of "Raccolta De' Viaggi... e non pubblicati fin ora in lin-gua italiano"; a shorter version of the series title on front wraps with vol no.

12°: [2 blank], XXI, [1 blank], 334, [1], [1 blank]p; 6 engrav pls, tissues, of which 4 in color. Pale tan wrap, ser title & no + armillary sphere on cover, enclosed in orn frame. 16.8 x 11 cm(6 5/8 x 4 in). Cropped. Another ref gives 17 x 10 cm. JSL.

Cont: blank f; ser tp; tp; dedic; transl pref; text; pls; tab cont; pls index; blank p.

Vol 40 of the "Raccolta."

Viaggi |...| Tomo II |...| 1817.

12°: 291, [1]p; 4 engrav pls, tissued, 2 colored. Same wrap, with different vol no on cover; the first 3 pls are misnumbered.

Cont: ser to; tp; front pl(misnumb "II"); text; explan of Pl IV(crystal forms); tab cont; pls index.

Borba de Moraes, 2, 42: "This... edition... is much searched for because of its plate representing a woman from Sao Paulo garbed in clothes that do not seem faithfully reproduced. This fanciful plate does not appear in other editions." An Italian bookseller's catalog of 1974 noted that although Borba de Moraes called for 12 plates in this edition, their collation agreed with the lists provided at the end of each volume, that is, 6 and 4 plates for a total of 10, and the same in another copy sold by them. The JSL copy agrees. The plates are exquisitely colored.

4276. -----1817, Haarlem Reizen in de binnendeelen van Brasilië vooral in deszelfs goud-en-diamantrijke streeken op gezag van den prins regent van Portugal, benevens eene Reis

naar Rio de La Plata, en eene schets der omwenteling van Boenos-Ayres door John Mawe. Uit het Engelsch, Met platen. Te Haarlem, Francois Bohn M.DCCCXVII. 2 vols, 23 x 14 cm. I: xlvi, 336 p, 3 pls. II: 378 p, 3 pls. Not seen; from Borba de Moraes, 2, 42. "Quite scarce."

4277. -----1819, Copenhagen Reiser Til Det Indre Af Brasilien, isoer til de dervoerende Guld og Diamantdistricter, foretagne ifølge Befaling af Prinds Regenten af Portugal. Samt en Reise til La Plata-Floden med historiske Beretninger om den sidste Revolution i Buenos-Ayres. Oversat efter Zimmermanns tydske, med oslysende Anmaerkninger forsynede Udgave ved R.T. Bruun, 2 vols in 1, small 8°, Copenhagen, U.Goldin, 1819. Not seen, from a bookseller's catalog of 1974, who notes "Scarce. This edition not in Sabin, Palau, Borba de Moraes, Rodrigues or Berger."

4278. -----1820, Lisbon Viagens ao interior do Brazil, com huma exacta descripção das ilhas dos Açores por João Mawe, inglez. Authorizadas pelo rei fidelissimo d. João Vi. Nosso Senhor, a beneficio da livraria do Convento de S.Francisco da Cidade. Obra promovida pelo R.P.M.Fr. Polydoro de N.Senhora da Lapa, Leitor de Theologia, e Bibliothecario da mesma. Lisboa, Na Impressão Regia, 1820. 20 x 14 cm. 208 p; 5 pls. Borba de Moraes: "This... translation was made to be sold at a charity benefit for the Convent of Saint Francisco da Cidade. The work did not progress, and only 208 pages were issued. The plates ... are unrelated to the English edition, and do not even correspond to the text. The most curious of them all (and not the least fanciful) is the one preceding the title-page, representing 'the Brazilian cannibals devouring some Portuguese.' Made to impress and probably excite the curiosity of the public, and help the sale, it is ingenuously realistic and splendidly fantastic... rare and curious edition because of the famous plates... much more difficult to find than the first English edition."

4279. -----1820, Stockholm John Mawe's Resa till det inre af Brasilien samt Guld- och Diamnt=districterna der städes. Stockholm 1820, tryckt hos E.A.Ortman. 17 x 10 cm; 154 p. Not seen, from Borba de Moraes, 2, 43, "this Swedish abridged translation is rare."

4280. -----1821, 2nd London edit Travels In The Interior Of Brazil... London, 1821. Not seen; from Beeleigh Abbey, Maldon, Essex Cat, 1972, no 192, which further notes that this is the first edition in 8vo, with map and 8 colored illustrations on 5 plates, and with an advert leaf. Sabin 46992. Reprinted in 1822.

4281. ----1823, 2nd London, reprinted Travels in the Interior of Brazil... Rio de La Plata by John Mawe - second edition - illustrated with colored plates. London: printed for Longman, Hurst, Rees, Orme, and Brown... 1823. 21 x 12 cm; x, 493 p, 1 f un; with list of other works of author, 5 col pls, 1 map. Not seen, from Borba de Moraes, 2, 41-2, who quotes from the Preface, "since the first appearance of this work, nine years have elapsed, during which period translations of it have been published in France, Sweden, Germany, and Russia, as well as in Portugal and Brazil, and two editions of it have been given in the United States of America..." However, in another place, Borba de Moraes notes that he has never seen but one United States edition, and neither have I. This second edition was revised by Mawe and divested of some details which were important at the time of first issue but were later considered irrelevant.

4282. -----1922, Belo Horizonte, Brazil Viagens ao interior do Brasil... em 1809-1810. Trad. por Dermeval Lessa. Publicações do Centenario. Collectaneas de scientistas estrangeiros assumptos mineiros, v.l, cap. X-XVII, pp 1-151, Belo Horizonte, 1922. Not seen.

4283. -----1813, Treatise on Diamonds

A | Treatise On Diamonds | And | Precious Stones, | Including Their | History - Natural And Commercial. | To Which Is Added, | Some Account Of The Best Methods Of | Cutting And Polishing Them. | [double rule] | By John Mawe, | Author Of Travels Through The Diamond District Of | Brazil, &c. | [taper rule] | London: | Printed For Longman, Hurst, Rees, Orme, And Brown, | Paternoster Row. | [rule] | 1813.

8°: 16 advert, xii, 168 p; hand-col front engrav pl tip-in + 2 others tip-in at end of text but ahead of final f, and preceded by a blank f not includ in pag. Binder's pale brown paper over bds, paper spine label. 22.7 x 14.6 cm(8 7/3 x 5 3/4 in). Uncut. JSL; USGS Kunz Coll, GS 34-303.

Cont: advert; front; tp; print data; dedic; pref; tab cont; pls list with captions; 6 chs; blank f; author's advert.

One of the first general treatises on gemstones in the English language that is refreshingly free of fantasy and superstition; it is, instead, a factual, easy to read, and surprisingly complete work on the subject. Much of its outstanding character is due to the author's experience in collecting & studying minerals and gemstones, and later becoming a well-known and respected dealer in same. The first chapter treats the diamond at length, discussing its value, esteem, ancient knowledge, physical & chemical properties, occurrences, notable large diamonds, the diamond trade, and how it is cut. Other chapters, less detailed, treat corundum gems, amethyst, topaz, and Other gemstones of lesser value as the feldspars and quartzes. The work is greatly enhanced by its two color plates, which depict cut gems, cutting styles, and on Plate 2, crystals of diamond. The third plate consists of colored rectangles representing the gamut of hues observable in gemstones from diamond to malachite. The final leaf advertises Mawe's business and briefly describes the series of gemstones that he then offered for sale. The present work quickly achieved popularity and brought about a second edition. Copies are now very scarce.

4284. -----1815, 2nd edit

A | Treatise On Diamonds | And | Precious Stones; | Including Their | History - Natural and Commercial: | To Which Are Added, | The Best Methods Of Cutting And Polishing | Them. | [double rule] | By John Mawe, | Author Of Travels Through The Diamond District Of | Brazil, Mineralogy Of Derbyshire, &c. | [double rule] | Second Edition. | [taper rule] | Here the soft Emerald smiles of verdant hue, | And Rubies flame with sapphires heavenly blue, | The Diamond then attracts the wond'rous light, | Proud of its thousand dyes and luxury of light. | Tasso. | [double rule] | London: | Printed For Longman, Hurst, Rees, Orme, And Brown, | Paternoster-Row. | [rule] | MDCCCXV.

8°: xii, 168 p; same pls. 21.2 x 13.2 cm(8 3/8 x 5 1/4 in). Cropped. LC 8-36598. JSL; USGS Kunz Coll.

Aside from reset title, identical; in my copy a blank f is wrapped around the title & plate and protrude slightly just ahead of the dedic; another blank f inserted ahead of col pl at back while advert leaf followed by another blank f; these blanks appear to have been added by binder.

4285. -----1816, Leipzig

Joh.Mawe's | Verfassers der Reise nach den Demantgruben in | Brasilien ec. | Abhandlung | über die | Demanten | und andre Edelsteine, | worin ihre natürliche sowohl, als ihre Handelsge= | schichte enthalten ist, | Nebst einer Nachricht von den besten Methoden, | diese Steine zu schneiden und zu poliren. | [taper rule] | Aus dem Englischen | von | D.Carl Gottlob Kühn, | der Chirurgie öffentlichen ordentlichen Professor | in Leipzig. | [rule] | Mit 3 illuminirten Kupfertafeln. | [taper rule] | Leipzig, 1816 | in der Baumgärtnerschen Buchhandlung.

8°: VIII, 96 p; pi^4, $1\text{-}6^8$; 3 pls(fold in some copies), hand-col, tip-in or bound-in. 17.5 x 10.7 cm(6 7/8 x 4 1/4 in). Cropped. USGS Kunz Coll, GS 33-266. C G Kühn(1754-1840), Ger MD. Very rare edit.

4286. -----1823, the true 2nd edit, London

A | Treatise On Diamonds, | And | Precious Stones: | Including Their | History - Natural and Commercial. | To which is added, | The Methods Of Cutting & Polishing. | With | Colored [sic] Plates. | By John Mawe, | Honorary Member of the Mineralogical Society of Jena, &c.&c. | Author of Travels through the Gold and Diamond District of Brazil; Lessons on Mineralogy | and Geology, New Descriptive Catalogue, &c. | [double rule] | ... [same sonnet, but Tasso's name omitted] ...| [double rule] | Second Edition. | [tapered orn rule] | London: | Printed For And Sold By The Author, 149, Strand; And Longman, | Hurst, Rees, Orme, And Brown, Paternoster Row.| 1823.

8°: xx, 148 p; 5 engrav tip-in pls, 1 full col with tissue (watermark Whatman 1822) as front; another part col("peculiar diamonds"); the third in full col of lapidary at work; the other 2 pls are numbered "I-II" and uncol. Publ pink paper over bds, white paper spine label, rules. 21.2 x 13.9 cm(8 1/4 x 5 1/2 in). Uncut. JSL. In some copies an unpag f bearing a dedic to the East India Co is tipped-in after the title f and to the back of the "peculiar diamonds" pl. USGS Kunz Coll, GS 34-223.

Cont: 1/2tp; print data; front; tp; dedic; pl; pls explan; 2 plain pls; "lapidary" pl; tab cont & errata; introd; 2 chs; append tp; append; properties tab.

Completely revised, reset, new plates. Text follows scheme of previous edition: the first chapter, a large one, on the diamond, and the second, in 11 sections, the last on cutting & polishing, gemstone descriptions. The appendix treats imitations, distinctive characters of red spinel as compared to gems of similar color, remarks on opal and the recently-imported opal from Mexico, glass made iridescent by surface alteration, and shell cartilage that resemble opal. The last page is a table of properties: densities, crystal forms, electrical properties, and single or double refractivities. The plates are all new, the frontispiece showing many faceted gems, some cabochon gems, agate slices, and a star sapphire. The "peculiar diamonds" plate depicts several famous diamonds in line drawings; the Hope diamond, colored blue, shown in top and side views is simply entitled the "Blue Diamond." The remaining color plate, in two panels, shows a diamond cutter bruting and faceting. The two plain plates are line drawings of cutting styles and excellent drawings of diamond crystal forms and rough diamonds, including a ballas and a sample of the Brazilian diamondiferous conglomerate known as *cascalho*. Complete copies of this edition are difficult to find and commonly the dedication leaf is absent although it is not known if it was originally supplied as an integral part of the book or issued as an afterthought. This edition was reprinted in 1826 with new date.

4287. -----1950, above reprinted, London

An Old English | Book on Diamonds | A Reprint with Comments on | John Mawe's | A Treatise on Diamonds, | London, 1823 | Industrial Diamond Information Bureau, | London, 1950 [title from wrap]

Edgestapled: [5]p + p xiv-xx + [6]p + col pl + 96 p; 3 pls, 1 col pl. Pale green wrap, title in double-rule frame on cover. 17.2 x 12.2 cm (6 3/4 x 4 3/4 in). Cut. 12s.6d. LC 52-24143. JSL.

Cont: Mawe's tp; comments & print data; Mawe's front matter; ill; text to p 83; biblio of Mawe(p 84, 10 entries); Mawe's life & work; notes.

A reduced photocopy of the 1823 edition, also reproducing the plates, but only the diamond cutter plate is in color; some sections of Mawe's preliminary matter are omitted. The editing and commentaries are by Paul Grodzinski; see under his name for vita & other works by. The life of Mawe "reconstructed" from several sources. This work is now scarce. Excerpts of the above, entitled "The colourful career of John Mawe," appeared serially in *The Gemmologist*, London, 23, no 278, 1954, p 157-62, with the final article in no 284, 1955, 49-50.

4288. -----1818 Nachrichten von den Vorkommen und Gewinnen de Diamanten, anderer Edelsteine und edler Metalle in Brasilien. *Gilbert's Ann d Physik*, NF, 59, Lipzig, 1818, 140-73. Not seen; from A D Gonsalves, *Bibliogr Brasil*, 1928, p 132.

4289. -----1827

Description | Of | The Lapidary's Portable Apparatus, | For | Cutting, Slitting, And Polishing | Crystal, Jasper, Agate, Chalcedony, | And | Precious Stones: | Written Expressly For Amateur Lapidaries. | By | J.Mawe, 149, Strand, | Author Of Treatise On Diamonds And Colored Stones, | Familiar Lessons On Mineralogy & Geology, | &c. &c. &c. | [taper rule] | London: | Printed By W.M'Dowell, Pemberton Row, | Gough Square. | [rule] | 1827.

8°: [4], 16, [4] p; front pl & another tip-in ahead of text. 14.3 x 9 cm(5 5/8 x 3 1/2 in). Cropped. BM(NH).

Cont: front; tp; explan of front; explan of Pl A; Pl A; text; lists of chem apparatus & chem, mineral sets, other works of author.

Very brief description & instructions for use of a portable, table-top hand-driven, lapidary's apparatus, made for Mawe and sold by him. The frontispiece plate shows a user seated at a table upon which the apparatus is placed while the second plate shows cutting styles and a side view of the apparatus. Both plates are

taken from similar plates which first appeared in Mawe's *A Treatise on Diamonds*, described above. The second plate bears along its bottom margin the inscription "J.Tennant, Mineralogist &c. Successor to S.Mawe [sic]. 149, Strand, London." Comments on a similar apparatus in Mawe's *Familiar Lessons*, 1819, are given by B M Shaub in *Rocks & Minerals*, 38, 1/2, 1963, 51-4.

MAWSON, Sir DOUGLAS (1882-1958), with CHAPMAN, W T

D Mawson Austral geol; b Bradford, Engl; BE(engineer) U Sydney 1901; BS 1904; DSc 1909; most of career spent in field explorations. DSB.

4290. -----1911 Chiastolites from Bimbowrie, South Australia, by D.Mawson, D.Sc., B.E. ... analyses by W.T.Chapman... edited by Walter Howchin, F.G.S. *Mem Roy Soc S Austral*, vol 2, pt 3, Adelaide, 1911, 189-210, Pls I-XI. JSL. Edgestapled separate: [2]f supplied tp & tab cont + text, pls, the latter interleaved with explan leaves; Pl XI in col. Pale greenish wrap, cloth spine, cover title. 30.5 x 23.6 cm(12 x 9 3/8 in). Cut. 7s.6p. Large and attractively-patterned crystals of cigar-shape and found in great abundance.

4291. MAX STERN & CO

Gems | Facts, Fantasies, Superstitions, Legends | 1946 | Max Stern & Co. | New York | Importers of | Diamonds, Precious and Semi-Precious stones

8°: xi(first 2 p blank), [1 blank], 80, [4 blank]p. Mauve cloth, gilt title on cover; "Gems" in rules on spine. 21.3 x 13.9 cm(8 3/3 x 5 1/2 in).

Cont: blank f; 1/2tp; tp; publ data; pref; tab cont; introd; text; 4 tabs; 2 blank f.

Popular promotional booklet issued by a New York jewelry firm and emphasizing the lore & fascination of gems; also gives some property data but most space devoted to birthstones, miscellaneous gemstone descriptions, notes on synthetics, measurement systems, gems for masculine & feminine names, and the stones of the High Priest's breastplate.

4292. -----1947, [2nd] edit

Gems |...| 1947 |...

8°: xi(first 2 p blank), [1 blank], 82, [2 blank]p. Dk maroon cloth, gold-stamped as before but date of 1947 now on cover. Adds two tables: a birthstone chart "as developed through the centuries," with months, the stones, their properties, and refraction, and a "standard" birthstone list as adopted by the American National Retail Jewelers Association in its 1912 Convention and as clarified by the American Gem Society in 1938. The table now includes synthetic gemstones.

MAXWELL-STUART, P G, see EPIPHANIUS, 1743

MAY, D D, see ASH, S R

4293. MAY, EVALYN

Jade for Beginners | Evalyn May | illustrations by | Katharine Modesti | Donald Moore For | Asia Pacific Press | Singapore [1969]

8°: [6], 65, [1 blank]p; 22 sketches. Maroon, cloth-like paper over bds, gilt spine title. Dk brown dj, green & black lett on cover; resume. 17.7 x 11.3 cm(7 x 4 1/2 in). Cut. JSL.

Cont: 1/2 tp; tp; publ data; tab cont; author note; 11 chs(biblio p 65, 7 entries); blank p.

Evidently resident in Singapore, May gives much useful advice to the jade buyer of modest means, beginning with a large chapter on the identification of the several jades and the associated problems of recognizing falsifications or substitutes. Some curious lore is thrown in for good measure along with a little history. Jade in Hong Kong is next taken up, with a short chapter on "jewelry jade," or "imperial jade." There are also chapters on buying tips, a glossary, p 30-7, discussions on symbols and their meanings, a list of dyanasties, and recommended jade shops in Singapore and Hong Kong. The line drawings are of small carvings in the author's collection. Summary, G M Born, 229-30.

4294. -----1979, 2nd(?) edit Jade for beginners. Times Books International. Singapore. Illus. in black-and-white and in colour. pp.57. "A short but well-written guide... use of jade in the past is discussed with particular reference to China." Not seen, from *J Gemm*, 20, 4, 1386, 253.

MAYER, JOSEPH(1803-1886)

Brit jeweler/goldsmith; developed strong interest in antiquities and formed important collections of coins, glass, Egyptian relics, books & prints, gems, jewels, etc, a large part of which presented in 1867 to the Corporation of Liverpool where it now forms part of the exhibits of a public museum. DNB.

4295. -----1859 Catalogue of the celebrated and well-known collection of Assyrian, Babylonian, Egyptian, Greek, Etruscan, Roman, Indian, Peruvian, Mexican and Chinese antiquities, formed by B.Hertz... now the property of Joseph Mayer... which will be sold at auction, by Messrs.S.Leigh Sotheby & John Wilkinson... [London] J.Davy and sons, printers [1859] 2p f, xxiv, 213 pp, 25 cm. "Translation of an extract from the Archaeologische Zeitung... by Edward Gerhard... 1851. Mr.B.Hertz's collection of gems": xxiv p. Not seen, from USGS Kunz Coll, GS 34-263.

MAYER, JOSEPH, see GATTY, C T

MAYER, LLOYD, see JOEL, S

4296. MAYR, GUSTAV LEOPOLD(1830-1908) Die Ameisen des baltischen Bernsteins; mit 106 Figuren auf fünf Tafeln. (*Beiträge zur Naturkunde Preussens, Königsberg*, 1) pp.4, 102, (10), tab.5. 4°. Königsberg. 1868. Not seen; from Scudder, *Biblio Fossil Insects*, 97; also "extended descriptions of forty-nine species and twenty-three genera, with some preliminary observations, including a review of previous literature, and a comparison of amber species with modern types and those of Radoboj."

4297. MAZA, FRANCISCO DE LA El alabastro en el arte colonial de Mexico. *Instituto Nac Antropol Hist, Dept Monumentos Coloniales Publ* 18, Mexico, 1966. 8°: 147 p(first f blank); col pl tip-in + 50 photo pls + 1 photo. Thick paper wrap, cover photo, black & white lett on bright green; back cover white with Aztec calendar stone. 23.1 x 16.2 cm(9 1/3 x 6 3/8 in). Cut. 40 pesos. JSL. Use of the handsome white calcite onyx ("tecali") from deposits near Tecali, Puebla in colonial times; nature & nomenclature of the material; objects.

Circulating book — QE 393 M464
GIA Library has photocopy 3/17/95

4298. MAZIAREK, S El mercado mundial del diamante. Caracas, Venezuela, 1971; priv publ, 36 p, wrap, reproduced from typescript. Not seen; rev by R Webster, *J Gemm*, 13, 2, 1972, 76-7. General history of diamond, current marketing by divisions of the Diamond Corporation, sales growth charts, grading stones, industrials, artificial coloration, synthetics & prod data, and appendix on Venezuelan diamonds.

4299. -----1975. El diamante en Venezuela. Caracas, priv publ, 1975, 128. Not seen.

4300. MAZUROWSKI, R F Amber treatment workshops of the Rzucewo-culture in Zulawy. *Przegl Archeolog*, 37, 1984, p 5-60. Not seen, ref: *Zs Dt Gem Ges*, 1/2, 1986, p 26.

4301. MCALLISTER, R W

Gems And | Minerals | Of | California | Their Use In The Arts | [rule] by [rule] | R.W.McAllister | Published By | Thomas Bros. | [orn rule] | Los Angeles 39 |... [10 lines, addresses & rules]... [1953]

Centerstapled: [2], 50 p, text sketches, fold index map(73.5 x 54.5 cm(28 x 21 1/2 in)). Red paper wrap, silver lett & dec on cover. 27.7 x 11.1 cm(10 7/8 x 4 3/8 in). Cut. $1.75. JSL.

Localities listed by county, with composition, properties, and occurrence notes, miscellaneous information, lapidary treatment, mineral pigments, artificial gems. The large map covers entire state but still is not large enough to read details without a magnifier; trivial & generally useless work.

4302. MCALPINE, J F & MARTIN, J E H Canadian amber - a paleontological treasure-chest. *The Canadian Entomologist*, 101, 1969, 819-38, 17 fig. JSL. "The history, relative abundance, nature, biological origin, and significance of Canadian amber is reviewed and related to similar aspects of European or Baltic amber. Reported occurrences... in Canada (about 50) are assembled and some 350 arthropod inclusions... tabulated, with respect to their origins, classification, and present location." Ills of ambers, insects, and with map.

4303. MCCABE, J Opal mining at Lightning Ridge. Melbourne: Kelly Books, 1979, 64 p, ill in col. Not seen: rev *J Gemm*, 17, 4, 1980, 271.

4304. MCCALLIE, SAMUEL WASHINGTON(1856-1933)

Geological Survey Of Georgia |...|Bulletin No.1 | [rule] | A Preliminary Report | On The | Marbles of Georgia | By | S.W.McCallie | Assistant Geologist | [rule] | Atlanta, Ga. | The Franklin-Turner Co. | 1894

Not seen; printed in 3,000 copies only. GS 5-288.

4305. -----1907, 2nd edit

Geological Survey Of Georgia |...|Bulletin No.1 | [rule] | A Preliminary Report | On The | Marbles of Georgia | (Second Edition, Revised And Enlarged) | By | S.W.McCallie | Assistant Geologist | [rule] | Atlanta, Ga. | The Franklin-Turner Co. | 1907

8°: 126, [2 blank]p; 52 pls(15 fold); 3 fig; 2 maps(part col, one fold). Pls & maps not includ in pag; all tip-in. Red-brown cloth, ruled & orn blind borders on covers; gold lett & rules on spine. 24.8 x 17.3 cm(9 3/4 x 6 3/4 in). Edge-stapled; also in print wrap. JSL. GS 8-101.

Cont: front; tp; board name lists; transmittal ltrs; tab cont; ill lists; 15 chs; append; index; blank f.

History of the industry, origin of limestones & marbles, geology, marbles of several counties, dressing, finishing, machinery, tests, chem properties, uses, also serpentine of Cherokee Co. Ill of quarries, plants, buildings, ornaments.

4306. -----1926

Geological Survey Of Georgia |...| Bulletin No.23 | [rule] | A Preliminary Report | On The | Mineral Resources | Of | Georgia | Revised Edition | [rule] | By | S.W.McCallie | State Geologist | [rule] | Atlanta, Ga. | Stein Printing Co. | 1926.

8°: IX, 164 p; 21 pls(one is front); map. In cloth as above, or in pale gray wrap, title on cover. JSL. GS 26-50; ist edit GS 10-296(not seen).

P 117-25, by Otto Veatch, on precious stones: Georgia diamond finds, corundum gemstones, quartz, opal, moonstone feldspar, rutile, zircon, kyanite, lazulite, epidote, staurolite, fluorite, and pearl; notes on corundum and marble appear elsewhere.

4307. MCCALLIEN, WILLIAM JOHN

Scottish Gem Stones | By | W.J.McCallien, D.Sc., F.R.S.E. | Lecturer in Geology, Glasgow University | Blackie & Son Limited | London And Glasgow [1937]

8°: vi, [1], [1 blank], 120 p; col front pl of gemstones tip-in; 36 fig(maps). Pale orange cloth, browm lett spine. 18.4 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. JSL.

Cont: 1/2tp; front; tp; publ data; pref; tab cont; 8 chs; index.

Fine, careful work which is both a brief introductory text on mineralogy as well as a guide to Scottish gemstones, only chs 5-7 treating native stones, and the last chapter lapidary work. Localities, in some instances, are taken from J F Heddle, *The Mineralogy of Scotland*, which see. Rev *The Gemm*, 6, 71, 1937, 262-4, sketch map.

4308. -----1965, facsimile reprint

Scottish Gem Stones |...| Lecturer in Geology, Glasgow University | Q | Quantum Reprints | Remax House London WC1 | 1965

8°: vi, [1], [1 blank], 120 p; 36 fig(maps). Col pl omitted. Red cloth, gold lett & "Q" on spine. 18.4 x 12.5 cm(7 1/4 x 4 7/8 in). Cut. Cloth inner hinges; 2 blank flyleaves at each end. Price 30/. JSL. Rev *J Gemm*, 10, 2, 1966, 64.

4309. MCCARTHY, JAMES REMINGTON(1900-)

Fire In The | Earth | The Story of the Diamond | by | James Remington McCarthy | Author of | Peacock Alley, The New Pioneers, Special Agent | [logo] | [wavy rule] | Harper & Brothers · New York and London [1942]

8°: ix, [1 blank], [1], [1 blank], 263, [5 blank] p; tip-in glossy front pl + 17 photos on 8 tip-in glossy f; 8 fig. Coarse-wove unfin blue cloth, gold title & orn rules on spine. White dj, blue lett, diamond mine photo on front; resume; other publ bks. 20.2 x 13.7 cm(8 x 5 3/8 in). $2.50. LC 42-7066.

Cont: 1/2tp; front; tp; publ data; dedic; tab cont; pref; text tp; 15 chs; biblio(p 253-55, 58 entries); index; 5 blank p.

Comprehensive, generally excellent popular exposition of the diamond from its natural history, mining, selling, and folklore, to its use in jewelry and with advice on how to buy diamonds. The 15 chapters are interspersed with 11 short, unnumbered chapters on famous diamonds: Koh-I-Noor, Orloff, Grand Mogul, Cullinan, Nassak, Shah, Sancy, Nizam of Hyderabad, Florentine, Pigott, and the Pitt or Regent. All of the text is eminently readable but with interjections of opinions by the author which for the most part appear unsubstantiated by facts. The later chapters on mining and selling are obviously influenced by World War II conditions. Rev *G & G*, 4, 1, 1942, 7-8.

4310. -----1946, London edit

Fire | In The Earth | The Story Of The Diamond | By | James Remington McCarthy | London | Robert Hale Limited | 18 Bedford Square WC1 | 1946

8°: 256 p; 15 photos on 8 bound-in glossy f in a single gathering + 1 p of sketches. Pale blue cloth, gold spine title, Col, dj, resume. 21.6 x 13.8 cm(8 1/2 x 5 3/8 in). Cut. 12s 6d. JSL.

Cont: 1/2tp; tp; publ data; pref; tab cont; ill list; 15 chs; biblio (p 248-9, 58 entries); index.

Entirely reset, front matter rearranged, condensed, with ill list added. Photos repeat only 9 originals; all are rearranged and several changed in size. World War II thinner, poorer paper, tinged tan.

4311. -----1945

[orn rule] | Rings Through | The Ages | An Informal History | By James Remington McCarthy | [orn rule] | [logo] | Harper & Brothers · New York and London [1945]

16°: vi, [1], [1 blank], [1], [1 blank], 202, [4 blank]p; tip-in glossy photo front pl + 5 others. Black cloth, blind logo on cover, gold spine title with small orns. Pale blue-green & white dj; title & small ring photos on front; publ bks on back & flap; flap resume. 12.2 x 13.4 cm(8 3/8 x 5 1/4 in). Cut. $2.50. JSL.

Cont: 1/2tp; other author bks; front; tp; publ data; tab cont; pref; text tp; 15 chs in 4 parts; biblio(p 195, 19 entries); catalogs(p 197, 12 entries); index; 2 blank f.

Well-written, interesting, accurate study aimed at the general public. Topics include: curious lore, history & development of ring-wearing, types of rings for special purposes, engagement & wedding rings, how rings are made today. Chs 3 & 4 in the first part contain considerable material on gemstones used in rings and the associated magical, mystical, and therapeutic powers which such wear is supposed to confer. In the second part, gemstones are mentioned in connection with signets and certain official rings. A few plates depict antique as well new rings, but contribute little enlightenment. Reprinted several times. A common work.

MCCARTHY, J R, see HAZELTINE, A I

4312. MCCAULEY, C K Gemstone resources of South Carolina. *SC State Development Bd, Div Geol*, Bull 30, Columbia, 1964, vi, 34 p. Not seen.

4313. MCCORMICK, JO MARY

Pearls | in pictures | By Jo Mary McCormick | Visual Industry Series | [logo] | Sterling Publishing Co., Inc. New York | The Oak Tree Press | [logo to right] | London And Melbourne [1966; a line sketch of Japanese woman diver at left of titlep]

8°: edgesewn: 96 p; 112 photos; 3 drawings; 3 line drawing reprods. Black plasticized paper over bds; orange band at top, round photo in col of Japanese girl sorting pearls on cover; resume & col photo back cover. 25.4 x 20.3 cm(10 x 8 in). $3.95. LC 66-16197. JSL. "Revised and adapted by Jennifer Mellon."

Cont: tp; publ data; ackn; tab cont; 7 unnumb chs; index.

Elementary, popular presentation: natural history, various types of pearls, cultured pearls, especially the Japanese cultured pearl to which most space is devoted, and which subject is covered thoroughly and well-illustrated with excellent photos. The only freshwater pearls mentioned are those from Lake Biwa, Japan. Rev *G & G*, 12, 8, 1967/68, 256.

4314. -----1967, London. Identical, but only The Oak Tree Press, with logo, and place of publ, appear on title; dj reproduces cover of the New York edit; bds now covered with pale grayish-blue cloth-type paper; binding is not edgesewn. Smaller: 24.7 x 20 cm(9 3/4 x 7 7/8 in). 17s 6d., later £ 1.25. Rev *Gems*, 4, 2, 1972, 41.

MCCRAE, J, see CROCKER, H J

4315. MCDONALD, LUCILE SAUNDERS

Lucile Saunders McDonald | Jewels and Gems | Decorations By Vera Bock | [col vignette, green & black] | 1940 | Thomas Y.Crowell Company | New York [title in green & black]

8°: [6], 288 p; black & green drawing front + 14 similar drawings on text f but with reverses left blank & not includ in pag; 4 col photos on 4 glossy f bound-in between p 256-7; green ch orns; orn inits. Black cloth, gold pendant on cover, gold lett spine. Black dj, col drawing on cover, gold lett, resume, vita. 21.7 x 14.5 cm(8 1/2 x 5 3/4 in). $2.00. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; 16 chs; index.

A series of charming anecdotes of adventure amd romance involving gemstones but sprinkled with clusters of factual data on a considerable number of stones, famous gems, gem deposits, etc, all in simple language aimed at the juvenile audience. Handsome, tasteful artwork. Color plates borrowed from Marcus & Company, New York gem booklets, which see. Rev *G & G*, 3, 9, 1941, 137. Reprinted, in blue-green cloth; gray-green, silver-flecked dj, decorated; no flap information. $1.00.

4316. -----1940(?), Junior Literary Guild, New York

Lucile Saunders McDonald |...| [same vignette] | The Junior Literary Guild | And | Thomas Y.Crowell, New York [title in green & black]

Identical text; in green-blue cloth, silver pendant on cover; same dj as in first edit; te stained green-blue.

4317. MCELNEY, BRIAN S Jade carvings from the Brian S.McElney collection. International Antiques Fair. Hong Kong 1985, p 30-61; 64 pieces illustrated, 38 in col. Paper. 29 x 21 cm. £ 10.00. Not seen, from Han-Shan Tang Ltd, London, List 30, 1985, no 334.

MCELNEY, B S, see IP YEE, CHENG TE-K'UN

MCFADDEN, T, see AMERICAN GEM SOCIETY

4318. MCGREGOR, A Bone, antler, ivory and horn. London: Croom Helm, 1985, pp 245, illus in b&w. £ 35.00. Not seen, rev *J Gemm*, 19, E, 1985, 734: "directed primarily at the archaeologist... one of the few attempts to put these organic materials under some sort of close scrutiny in which their nature is related to their use... large body of documentary evidence to survey... well presented... extensive bibliography."

4319. MCGUIRE, JOSEPH DEAKINS(1842-1916) A study of the primitive methods of drilling. *Rpt US Nat Mus for 1894*, Wash DC, 1896, p 623-756, figs 1-201. Also separate: edgestapled, brown-orange print wrap, cover title, 24.5 x 15.5 cm(9 5/8 x 6 1/8 in). Uncut. JSL; Harding & Bolling, 65. Elaborate, highly-detailed study based on USNM specimens, many illustrated, and with references, citations from the extensive footnoted literature. Most space devoted to perforation of larger objects but useful remarks are made on working of gemstones into beads, scarabs, engraved gems, cylinder seals, and the like, with notes on tools, techniques, and abrasives, ie, quartz, emery, diamond, the use of the last being controversial. The author was a lawyer, as well as anthropologist; AB Princeton 1863, AM 1901; "he was the first white man to shape a stone axe with stone tools and to carve in stone by aboriginal methods"(DAB, 12, 60-1).

MCHUGH, I & F, see HEIDGEN, H

4320. MCINERNY, KATHLEEN The building-stones of Victoria. Part II. The igneous rocks. *Proc Roy Soc Vict*, Melbourne, 41, 1929, 121-59, figs, Pl 16; not seen.

MCINTOSH, J G, see LIVACHE, A

4321. MCIVER, JOHN R

Gems, Minerals | and Rocks | in Southern Africa | J.R.McIver | Macdonald: London [1966]

8°: [11], 268 p; front tip-in col pl; 55 col photos; 61 b&w photos; 7 sketches(part col); 13 sketch maps(part col); 3 col geol maps(2 fold, 1 is large, 48.8 x 60.2 cm(19 1/4 x 23 3/4 in)). Ch titleleaves green. Blue cloth, gold lett cover; spine with dk blue gold lett & rules label; col dj, resume, vita, 24.7 x 17.7 cm(9 3/4 x 7 in(. Cut. £ 7-10-0, JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; fwd; author note; list of maps; 10 chs; gloss; index. P J Hugo et al, 2047,

The first full-length book prepared for amateur mineralogists and lapidaries in the Republic of South Africa. It is handsome, elaborately designed, and made from high quality materials. Topics include advice on collecting and forming collections, geology of South Africa and adjacent regions, crystallography, identification, petrology, cutting and polishing, and descriptions and locations for minerals and gemstones although the latter are treated only in passing. Because of its large scope, this book provides only a brief introduction to the many topics discussed, Also issued by American Elsevier, New York, 1967, $27.50.

4322. MCKEE BUTTON COMPANY

Fresh Water | Pearl Button | Rush Of | 1890 | Published by | McKee Button Co. Muscatine, Iowa [nd; ca 1950; cover title only, dec]

Centerstapled: [2] blank, [22]p; 14 humorous cartoons, 6 photos; on pearl-coated stiff paper. 13.1 x 10.1 cm(5 1/8 x 4 in). Cut. JSL.

About the first discovery that the hordes of nacreous mussels in the bed of the Mississippi River could be fished for profit by selling them to pearl button manufacturers, of which the McKee Company was one of the earliest and the longest survivor; describes the fishing and overproduction and development of modern machinery and manufacturing techniques. The industry is defunct.

4323. MCKELVIE, MARTHA GROVES

Gems Of | The Good Earth | By | Martha Groves McKelvie | "I will not again curse the earth for man's sake." | Genesis 9-21 | Franklin Publishing Company | Philadelphia [1973]

8°: xv, [1 blank], [1], [1 blank], 91, [3 blank]p; 5 col drawings on 5 bound-in glossy f; ch orns. Pale brown cloth, gold spine title. Col dj, decorated with flowers, resume, vita. Pale tan paper. 22.8 x 15.3 cm (9 x 6 in). Cut. LC 73-79748. JSL.

Cont: 1/2tp; tp; publ data; dedic; introd; gems of Bible; tab cont; text tp; 20 chs; ackn; 3 blank p.

Undoubtedly one of the worst books on gemstones ever written and an object lesson on how not to write one! The author is ignorant of the subject with the result that misspellings are abundant, poor grammar and syntax occur frequently, and numerous misstatements and errors of fact interlard the whole. Further, the text, from a substantial point of view, is interrupted with personal reminiscences, and gushing prose that contributes little to the purpose of the book, that is, an appreciation of various gemstones with which the author has some slight acquaintance. The color plates, all labeled "geode," when in fact none of them are, are no more than hastily drawn and garishly colored nodular masses that bear little resemblance to any real mineral.

MCKENZIE, B J, see WILSON, W F

4324. MCKINLEY, WILLIAM C

[orn rule] | American | Gem Cabochons | An Illustrated Handbook | of Domestic Semi-Precious Stones | Cut Unfacetted | [orn] | By | Wm.C.McKinley | Author of Directory of | American Gem and Mineral Collectors | Lightner Publishing Company | 2810 South Michigan Ave. | Chicago, Ill. | [orn rule] [1939]

8°: 77, [3 blank]p; p [1-2] blank; 7 bound-in col pls printed on one side only & includ in pag. Black cloth, gold spine & cover titles. Pale tan endp. 23.1 x 15.3 cm(9 1/8 x 6 in). Cut. Glossy paper. LC 39-9490. JSL.

Cont: blank f; tp; publ data; dedic & quot; fwd & biblio(p 7-8, 15 entries); author note; tab cont; text; blank f; biblio(p 53-61, ca 90 entries); blank f; tabs tp; tabs; 3 blank p.

Essentially this book is a series of color plates, each showing many cabochons, followed by captions for each gem, giving source of the material and a description; the latter are vital for it would be impossible in many instances to identify gems on the basis of the extremely poor color renditions. Virtually every gem shown, regardless of real color, seems some shade of reddish-brown! Some merit appears in the captions because of the locality information but perhaps the greatest value of the work

lies in the references to gemological literature in the foreword by G Montague Butler, and the "Bibliography Of Important Literature On American Gems And Gem Materials," mentioned above. The work is rounded off with a series of determinative tables for the gemstones treated in the text.

4325. MCLACHLAN, D C Diamonds: their occurrence in New South Wales. *NSW Dept Mines*, 1899, p 1-18; not seen.

4326. McLEAN, EVALYN WALSH(1886-1947) & SPARKES, BOYDEN

Father | Struck It Rich | [orn] | Evalyn Walsh McLean | With Boyden Sparkes | [logo] | Illustrated | Boston 1936 | Little, Brown, And Company [title in double-rule frame]

8°: ix, [1 blank], [1], [1 blank], 316, [2 blank]p; photo front pl tip-in + 30 photos on 21 tip-in glossy pls. Pale blue unfin cloth, large central silver panel with or rules enclosing title on cover; silver rules & lett spine. Col dj, Hope diamond on cover; red & black panels, resume, other publ bks. 22 x 14.6 cm(8 5/8 x 5 3/4 in). Cut. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; fwd; tab cont; ill list; text tp; 24 chs; index; blank f.

The autobiography of Evalyn Walsh McLean, mining heiress, her wealth coming from her father, Thomas Walsh, who discovered the fabulously silver-rich Camp Bird mine nr Ouray, Colorado. She was the sometime owner of both the Star of the East and Hope diamonds(*Notable Amer Women, 1607-1950, A Biogr Dict*, 1971, 2, 471-3). The circumstances of acquisition of the Hope are related on p 171-9, and the Star of the East, p 155-6. One wishes more had been said about these stones but the few remarks are important and a first hand account (cf P SCHWED, 1975). Reprinted at least once.

4327. -----1936, London

Father | Struck It Rich | by | Evalyn Walsh McLean | with Boyden Sparkes | Faber And Faber Limited | 24 Russell Square | London [1936]

8°: 352 p; front portr pls tip-in + 30 photos on both sides of 11 tip-in glossy f. Pale red-orange unfin cloth; silver spine title. 22 x 14 cm(8 5/8 x 5 1/2 in). Cut. Te stained yellow. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; fwd; tab cont; ill list; 24 chs; index. Completely reset in "English" English; much scarcer than Amer edit.

4328. MCLINTOCK, WILLIAM FRANCIS PORTER(1887-)

Guide | To The | Collection Of Gemstones | In The | Museum Of Practical Geology. | By | W.F.P.McLintock, B.Sc. | [roy arms] | London: | Printed For His Majesty's Stationery Office, | By Darling & Son, Ltd., 24-40, Bacon Street, E. | [rule] | And to be purchased from |...[6 lines]...| [rule] | 1912. | Price Ninepence.

8°: iv, 92 p; 43 fig. Pale tan wrap, cover title. 24.5 x 15.1 cm (9 5/8 x 6 in). Cut. GS 13-8. JSL.

Cont: tp; pref; tab cont & ill list; introd(biblio p 2-3, 14 entries); 5 chs; index.

Properties of gemstones, cutting, imitations, artificial treatment, synthesis, and descriptions of the gemstones in the collection, this last being far more than a mere listing because of including a general treatise on the gemstones and their varieties with the specimens in the collection mentioned only in passing, as it were.

4329. -----1923, 2nd edit

Guide |...| By | W.F.P.McLintock, D.Sc. | Second Edition. |...| London: | Printed Under The Authority Of His Majesty's | Stationery Office. |...| 1923. | Price 1s, 0d, Net.

8°: iv, 89 p; 24 fig. Pale tan wrap, thinner paper, cover title. 24.6 x 15.3 cm(9 5/8 x 6 in). Cut. JSL.

Adds newly-acquired specimens; text condensed in part; old illustrations discarded or replaced by new. Rev *Amer Min*, 8, 9, 1923, 166 "as the treatment is general... the pamphlet may be used to good advantage as a guide to any collection of gemstones or as a brief introduction to the study of gem minerals."

4330. -----1951, 3rd edit by P A Sabine

Department Of Scientific And Industrial Research | A Guide To The | Collection Of Gemstones | In The | Geological Museum | (Museum of Practical Geology) | By | W.F.P.McLintock, D.Sc. | Third Edition | Revised by | P.A. Sabine, B.Sc., A.R.C.A. | [roy arms] | London: H.M.Stationery Office | 1951

8°: vii, [1], 75, [1]p; plan of museum, 32 fig. Black paper wrap, pale green lett & gem on cover; similar lett spine & back cover. 24.5 x 15.2 cm(9 5/8 x 6 in). Cut. 3s.0d. Net. LC 52-23936. JSL.

Cont: tp; prefs; tab cont; ill list; introd; plan; 4 chs; append(of identif tabs); index; publ data.

P iii: "descriptions of the principal additions... have been introduced and some of the old diagrams have been replaced by new drawings of a more suitable character. The guide... revised by Mr.Sabine under the supervision of Dr.Phemister who has acted as Editor." Later impressions: 3, Nov 1956, 4, 1963; a 6th of 1970 was still on sale in 1983 but issued with a new cover of glossy wrap, color photo of rough & cut gemstones. 24.5 x 14.7 cm (9 5/8 x 5 3/4 in); cut; 5s 6d(27.5 p) net. ISBN 11 880116 3. JSL.

4331. -----1983, 4th edit

Institute Of Geological Sciences | Natural Environment Research Council | Gemstones | In The | Geological | Museum | A Guide to the collection | By | W.F.P.McLintock, CB, DSc | Fourth Edition | Revised by | Patricia M. Statham, BSc, FGA | Based on the Third Edition revision by | P.A.Sabine, DSc, ARCS | London Her Majesty's Stationery Office 1983

8°: v, [1], 81, [1 blank]p; 28 fig; 8 col photos on both sides of 2 glossy f bound-in. Black wrap, col step-cut gem on cover & quartz group on back cover; white lett. 24.5 x 15.2 cm(9 5/8 x 6 in). Cut. £1.95 net. ISBN 0 11 884201 3. JSL.

Cont: tp; publ history; prefs(3); tab cont; introd; text; append(identif tabs); index; blank p.

This new edition prepared "following the complete rearrangement of the gemstones exhibition." Adds new matter on new synthetics & simulants; text brought up to date by addition of new gemstones and new sources; all text figs redrawn; color plates new. Much more attractive. Patricia Margaret Statham(1921-1986).

MCMURDIE, H F, see INSLEY, H, et al

MCNAIR, A H, see CAMERON, E N, et al

4332. MCNEIL, DONALD S, editor

Jewelers' 3rd edition | dictionary | edited by Donald S. McNeil | Jewelers' Circular-Keystone | Radnor, Pennsylvania [1976]

16°: 268, [4 blank]p; ca 800 photos & drawings. Brownish-red cloth, gold title & rect gold picture on cover; gold spine title. Pale pink endp. Col dj, col photos both covers; resume, vita of editor. 27.7 x 21.6 cm(10 7/8 x 8 1/2 in). Cut. $39.95. LC 76-26012. JSL.

Cont: 1/2tp; tp; publ data; pref; text; 4 blank p.

See POUGH, F H, et al, for ist & 2nd edits; present contributors are F H Pough, gemological/mineralogical terms; Henry B Fried, timekeeping terms, some retained that were originally contributed by J J Bowman; Nathan B Winkler, jewelry making, metallurgy, engraving terms; Ettagale Lauré, silverware, china, crystal terms. "Of the nearly 7,000 definitions in this Third Edition... more than 27 per cent are entirely new and another 20 per cent have been revised from the Second Edition." Rev *G & G*, 16, 1, 1978, 29-30.

4333. MCNEVIN, A A & HOLMES, G G Gemstones. 2 edit. Geological Survey of New South Wales, 1980, 119 p, ill in b&w. Rev M J O'Donoghue, *J Gemm*, 17, 8, 1981, 640. Not seen.

4334. MCNISH, JAMES T (1898-)

J.T.McNish | The Road | To | El Dorado | [logo] | C.Struik Cape Town | 1968

8°: xii, [1], [1 blank], 255, [1]p; fold, tip-in front glossy pl; 45 ill on 8 tip-in glossy f; 4 maps on a text f but not includ in pag; 16 tailpc ill. Dull green-blue cloth, gilt title & logo on spine; map of claims on col endp. 24.1 x 18.1 cm(9 1/2 x 7 1/8 in). Cut. USGS Library.

Cont: 1/2tp; front; tp; publ data; tab cont; ackn; pref; dedic; 15 chs; index.

The first book in a trilogy of historical works designed to record the history of diamond mining in South Africa. This volume: the discoveries, early rushes, settlements, life & hardships of pioneers. Excellent, thorough, lavishly illustrated, abundantly referenced. The author is a native South African, born at Addo.

4335. -----1969

J.T.McNish | Graves | And | Guineas | [logo] | C.Struik Cape Town | 1969

8°: xv, [1 blank], 287, [1 blank]p; glossy front pl tip-in; 57 ill on 13 glossy tip-in f; 6 tailpc ill; text map on f not counted in pag. Uniform to previous.

Cont: 1/2tp; front; tp; publ data; tab cont; ackn; pref; ackn; 15 chs; index; press reviews of previous bk; blank p.

Resumes the history of the diamond mining industry after the British Annexation of the colony.

4336. -----1970. The glittering road. Adventure in diamond county [sic] - Kimberley 1874-1876. Struik, Cape Town, 1970, ... 8vo, 198 p, with photo pls, dj. From a bookseller's catalog; not seen.

4337. MEANEY, AUDREY L

Anglo-Saxon Amulets | and Curing Stones | Audrey L.Meaney | BAR British Series 96 | 1981 [Oxford: British Archaeological Reports]

Edgestapled: [1], [1 blank], [2], xxxi, [1 blank], 364, [2 blank]p; several 100 line drawings, Sketches, engraving reprods, maps in text. Thick bright blue wrap, cover title. 29.5 x 20.8 cm(11 5/8 x 8 1/8 in). Cut. £ 15.00. ISBN 0 86054 148 7. JSL.

Cont: logo; tp; publ data; tab cont; pref; biblio of abbrev(p iii-viii, 101 entries); figs list; ackn; text tp; quot; introd; text; concl; notes; gen index; index of sites; blank f.

A text of astonishing richness and diversity which reflects the many years of accumulation and digestion of materials by the author into a useful and readable whole. The introduction compares the definitions of amulets, talismans, charms, curing stones, etc, discusses the human factors involved in their wear, and describes the types encountered in Anglo-Saxon graves. There is an interesting chapter on vegetable amulets, which is followed by a chapter on mineral amulets, p 66-105, and others on manufactured and "found" amulets, plus copious notes and additional references. The gemologist will find the mineral amulet chapter of greatest interest inasmuch as it describes the raw materials of amulets, namely amber, jet, agate, amethyst, rock crystal, quartz pebbles, chalk, and other white stones, and still others of various forms and colors. Most space is devoted to amber and agate, also jet, with remarks on possible sources in and outside the British Isles. The mineral chapter ends with a translation of an account of the 12 apocalyptic stones and several others as taken from an 11th century manuscript in the British Museum Library, Cotton Tiberius A III. All of it is most rewarding reading for the student of gemological curious lore.

4338. M.D.R. MANUFACTURING COMPANY The book of gem cuts. Vol.1. [Los Angeles: M.D.R. Manufacturing Co., 4853 West Jefferson Blvd, 1949; cover title.] Red plastic tubular binding, [22]f, many drawings of facet gem cutting styles, top, side, and bottom views. 28 x 21.6 cm(11 x 8 1/2 in). $2.50. JSL. Vol.2, publ 1952, green plastic tubular binding, [2], [24]f; same size, price, etc. Incidental information is provided on laps, polishing agents, etc.

MEDENBACH, O, see SCHMETZER, K, et al

4339. MEDER, P Über den orientalischen Türkis. *Crells Chem Annalen*, 1799, 185-99. Not seen.

MEDINA, Signore DE, see CATALOGO DEL PREZIOSO

MEDINGER, K v, see BAUMER, J W, 1774

MEDLICOTT, HENRY BENEDICT (1829-1905) & BLANFORD, WILLIAM THOMAS, *A Manual of the Geology of India*, 4 parts, only Part 3 by V Ball and Part 4 by F R Mallet are of interest; concult under their names.

MEEN, VICTOR BEN(1910-1971)

Canadian mineralogist/geologist; b Toronto; PhD mineralogy, U Toronto 1936; various duties Ontario Dept Mines & teaching in U Toronto(prof 1956-57); assoc with Roy Ont Mus, becoming head of Div geol & min 1955-59; head Earth Sci Div 1959-64; Chief Mineralogist 1964-, Memorial, *Amer Min*, 57, 1972, 647; biyer Coll, Mandarino, *Min Rec*, 2, 1, 1971, 9, portr.

4340. -----1962 Gem hunting in Burma. *Lap J*, 16, 7, 1962, 636-53, passim, 15 fig; 8, 746-57, 9 fig; 9. 816-35, passim, 16 fig. Reprinted below.

4341. -----1963

Gem Hunting In | Burma | By V.B.Meen, M.A., Ph.D. | Head. Earth Science Div., and Curator of Mineralogy, | Royal Ontario Museum | Toronto 5, Ontario, Canada. | Copyright, 1963, In The Dominion Of Canada | By V.B.Meen. All Rights... [etc, 2 more lines]

Centerstapled: 24 p, 41 fig(photos, sketch maps). Col wrap, rough gem pebbles on cover with title; back cover white. 29.1 x 22 cm(11 1/2 x 8 5/8 in). Cut. $1.50. JSL.

Written in enthusiastic style, full of practical advice and accurate information on traveling to Burma, its geography, the Mogok region and its features, the history of the ruby mines, methods of mining and recovery of gemstones, gem cutting & marketing practises, and what the visitor should look out for, with remarks on the jadeite of Burma and its deposits and methods of mining. Photos taken on the spot by the author.

4342. MEEN, V B & TUSHINGHAM, A D

Crown Jewels of Iran | [4 b&w photos in horizontal row] | V.R.Meen and A.D.Tushingham | University of Toronto Press/1968 [titlepage & facing page, compartmented by single-rule boxes]

8°: viii, 159, [1 blank]p; 82 col photos, some spread over 2 pages; 10 b&w text photos. Blue, unfin cloth, over thick bds, blind-stamped in diaper pattern; gold spine title. Blue endp, diaper pattern in white line. Gold dj, 4 col photos, resume, vitae. 35.4 x 23.1 cm(13 7/8 x 9 1/8 in). Cut. First (text) section on thick, pale gray-blue paper, and separated from descriptive section by a tip-in f of endpaper stock; the following section is printed on thick glossy stock and again separated from the last section by another endpaper leaf; the last section (notes & appends) printed on pale, blue-gray stock. $20.00. In white, printed slipcase shipping carton. JSL. First printing 7,000 copies; 1970, 2nd; special Coronation Edition 75 copies(see below). Reprinted in 1986, and still being sold in 1987.

Cont: 1/2tp; dedic & photo credit, publ data; tp; grant data; bk design & materials data; pref; ackn; tab cont; introd; historical outline; study & documentation; gems & settings; gem inscriptions; jewels catalog; notes & appends; index.

A large, handsome work, made from high-class materials and possibly the most beautiful book ever produced on crown jewels. It is unique, being the first thorough study of the enormous treasure belonging to the rulers of Iran, and made important and authoritative by its eminently qualified authors, Meen in the raw material of greatest importance, that is the gemstones, and Tushingham in archeology. The collection is very rich in large, high quality emeralds, diamonds, rubies, and spinels, many unset but others studding crowns and objects of ceremony or ornament as pins, armbands, swords, raiment, furniture, table ornaments, containers, etc. A notable feature of the book is its first scientific study of the Darya-i nur and Nur ul-Ain diamonds, as well as other very large unset gems, among which is a 590-carats red spinel which is now acknowledged to be the largest in existence. The text is replete with historical references to certain gems and jewels in the collection that were taken from the travel accounts of Chardin and Tavernier, and also from accounts of more recent visitors to the Persian Court. These references have been skilfully used to synthesize or confirm legendary histories of certain gems. Much scientific logical data are included in the descriptions, eg, confirmations of mineralogical identities, physical constants, sizes, weights, etc, made all the more important because they had to be arrived at in many cases by clever distant inspection procedures because of the refusal of authorities to allow handling. Rev *Min Mag*, 37, 286, 1969, 311-2; *G & G*, 13, 1, 1969, 36-7; J Geol, 77, 2, 1969, 246.

4343. -----1968, Coronation Edition Same title; contains [2] inserted f, the reading: "The Coronation Edition |...| hand-bound at the | University of Toronto Press | by Willie Frei | and limited to 75 numbered copies |...| Copy No.1 has been prepared | for presentation to | H.I.M. the Shah | Copy No.2 has been prepared | for presentation to | H.M. Queen Elizabeth II | This is copy No. ." The verso gives a brief description of the removal of the crown jewels for coronation purposes, and continues to recto of the second leaf, at top of which appears an actual color photograph of the coronation ceremony, tipped-in, 11.7 x 17.8 cm(4 5/8 x 7 in). The text continues to verso of the leaf. Binding: blue morocco, gold crown of Iran on 6 raised bands, gold title in panel on spine with 3 other panels bearing gold floral orns. Same endp, 35.1 x 23.cm(13 7/8 x 9 1/4 in). Aeg. Inner hinges in same blue leather. Slipcase, also bound in leather, with side panels of blue marbled paper and the opening fitted with rounded top and botton extensions to protect the book spine. Lined with napped muslin. Copies sold by the University of Toronto Press @ $250.00. JSL.

4344. -----1968, Milan

I Gioielli Della Corona | Dell' Iran | [same photos] | V.B.Meen e A.D.Tushingham | Silvana Editoriale d'Arte - Milan. [1968]

Same no of pages; set in more conventional style of type with result that less space taken by text, hence it became necessary to insert a number of ch tp's to produce the same number of leaves; dj entirely different, now with large single col photo of crown on cover and the gemstone-encrusted world globe on back cover; no vitas; no indication of translator. JSL.

4345. -----1977, Tehran

[Crown Jewels Of Iran] | [Printed On The Occasion Of 50 Years Of The Pahlavi Dynasty] [In modern Persian; publ in 1977 by the Iranian Central Bank, Tehran; transl by Merdad Nabil.]

8°: [2], 169, [1 blank]p, same ill, same binding, endp. etc, as in Engl edit; dj nearly identical to the Ital edit, but instead of photo on back there is now a representation of the Iranian crown on a pale blue circular panel surrounded by small gold disks. Uses pale blue-gray paper for text portions and glossy white paper for catalog & photos. JSL.

Entire text in script except biblio in which titles given as in the original edition but accompanied with Modern Persian equivalents; same for glossary. As is customary in this language, the contents are reversed in order.

MEGENBERG, KONRAD or CONRAD (1399-1374)

Ger educator, pastor; attend Erfurt Gymnasium, thence to Paris to obtain doctorate ca 1337; briefly head St Stephan's school, Vienna; ret to Germany as

pastor St Ulrich's church Regensburg; occupied various civil & ecclesiatical positions. He is occasionally mentioned in connection with medieval lapidaries because of his writings on gemstones and other mineral materials in his celebrated *Book of nature*, composed in 1349-50, which became one of most esteemed and widely read books of its time. It was copied repeatedly in mss and later issued in numerous printed versions commencing with the first edition of 1475 published by Hans Bämler at Augsburg; see Frank T Anderson, *An Illustrated History of Herbals*, NY, 1977, p 73-81 For stone content it is sufficient to cite below a modern facsimile reprint of a work originally printed in Stuttgart, 1861, by Franz Pfeiffer, in which Megenburg's book appeared.

4346. -----1962, Pfeiffer, editor

Das | Buch Der Natur | Von | Konrad Von Megenburg | Die Erste Naturgeschichte In | Deutscher Sprache | Herausgegeben | Von | Franz Pfeiffer | [logo] | 1962 | Georg Olms Verlagsbuchhandlung | Hildesheim

8°: [1]f + LXII, 807, [1]p. Pale grayish-green cloth, gold title on cover & spine. 20.8 x 12.8 cm(8 1/8 x 5 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; dedic; introd; tab cont; text tp; poem; original text; notes tp; notes; dictionary tp; dictionary; synonyms index; corrections.

This "first natural history in the German language" is divided into eight sections, 1 the human body, 2 the heavens and seven planets, 3 animal kingdom, 4 trees, 5 other vegetation, 6 precious stones, 7 metals, and 8 springs. The precious stones section, p 427-73, discusses stones in general, then in 86 chapters describes almost as many gemstones, minerals, and other useful or remarkable stony substances which may be endowed with magical, medicinal, or other virtues in addition to their normal properties. Among them are amethyst, agate, diamond, almandine, beryl, carbuncle, chalcedony, coral, chrysoprase, carnelian, chrysolite, jasper, and many others, and including several chapters on engraved gems. There is a final chapter which gives advice on how to restore the "strength" of a stone, presumably referring to magical or healing powers. Many stones are given names which were taken from Pliny (and others), and are now completely unidentifiable. In this connection, see S H Ball, *Roman Book*, who addresses the same problem, and H Fischer, *Nephrit und Jadeit*, 1380, 74-5, who speculates that several of the names may refer to jades. Ward & Carozzi, 1534, briefly describe a Frankfurt-am-Main edition of 1540, noting that "the ninth book is on precious stones and stones."

4347. MEIER, CHRISTEL

Christel Meier | Gemma Spiritalis | Methode Und Gebrauch Der Edelsteinallegorese | Vom Frühen Christentum Bis Ins 18.Jahrhundert | Teil I | 1977 | Wilhelm Fink Verlag München

Facing tp: "Münstersche Mittelalter-Schriften... Band 34/1..."

8°: 542, [2 advert]p. Blue-green cloth, black gilt label on spine; very pale yellow, hand-laid type endp. 23.2 x 15.5 cm(9 1/8 x 6 1/8 in). Cut. ISBN 3-7705-1251-0. DM 120. JSL.

Cont: 1/2tp; series tp; publ data; tab cont; prospectus for Pt II (unpubl); corrigenda; fwd; introd; text; concl; biblio(p 511-42, ca 900 entries); advert; other series bks.

An enormously detailed and thoroughly researched exploration of the curious lore attached to gemstones from the earliest Christian period into the 18th century, with consultations with and extracts from virtually every written work that addressed itself to this problem, in whole or in part. As such, this book is invaluable as a bibliography on curious lore of gemstones and no writer in this field can afford to ignore its bibliography, even if he chooses to avoid the text. The latter, to be sure, is extremely convoluted, full of "learned" language, and otherwise replete with those complexities in language and style so beloved of beginning scholarly writers. Among the multitude of topics in which curious lore plays some part in the creation of whole legends, the author examines its attachment to such things as color in gemstones and the alteration of light in its passage through them, certain physical and chemical properties, shapes of stones, cut gems, especially engraved gems, the origin and mining of stones, and employments in medicines and in the healing arts. All of it is abundantly footnoted.

4348. MEIKLEJOHN, ARCHIE B (1884-) Faceteer's gem reference. Los Angeles(?), priv publ(?), 1952, 15 p + many other unnumb p; ill. 30 cm. LC 52-40679. "A reference book for collectors and lapidaries. Contains a glossary of terms, basic data on physical and optical properties of gemstones, and a section arranged alphabetically by mineral names giving information on composition, properties and methods of faceting and polishing." Not seen.

MEINECKE, JOHANN LUDWIG GEORG(1781-1823)

Ger physicist/chemist; PhD; instructor phys & math U Halle 1805-11; later prof nat hist, sciences, U Cassel 1814 and prof ordnance & technol U Halle; prolific writer wide range of subjects. Pogg 2, 103-4.

4349.-----1805

Ueber | den Chrysopras | und die denselben begleitenden | Fossilien | in Schlesien. | [taper rule] | Ein mineralogischer Versuch | von | Johann Ludwig Georg Meinecke, | Doctor der Philosophie, correspondirendem Mitgliede der | mineralogischen Societät zu Jena. | [engrav map] | [orn rule] | Erlangen, | bei Johann Jacob Palm. 1805.

8°: [8], 120 p; A-H^8 (but see note below); fold diagr bound-in to face p 32. 22.1 x 13.5 cm(8 3/4 x 5 1/4 in). Uncut. USGS Kunz Coll, GS 34-511. JSL.

Cont: tp; dedic; pref; text in 5 sections.

Pagination note: in an uncut copy, the preliminary matter is incorporated in the last gathering and is unpaged; a casual inspection would therefore indicate that the book is exactly 120 pages as indicated in GS 34-511, but actually the title leaf is Al, while the preface and dedication, although printed in gathering H, are signed)(. Thus, to form an ordered copy from one that is uncut, it is necessary to excise the preliminary leaves from gathering H and bring them forward after the title leaf, prior to sewing. This accounts for the extra 8 pages shown in my collation.

The book itself is an excellent detailed study of the celebrated deposits of gem chrysoprase formerly mined in the mountains of Silesia, now a part of Poland. Section 1 geology, basement rocks, outcrops as hills & mountains; 2 occurrences of chrysoprase, associated rocks and minerals, the latter being mostly other forms of quartz, and with remarks on occurence of chrysoprase elsewhere in Europe; 3 & 4 deal with the origin of chrysoprase, and it is to be noted that Meinecke interprets the evidence as meaning that chrysoprase forms from the dissolution and metamorphosis of enclosing serpentine. Section 5 is a useful history of chrysoprase, citing several dozen authorities from antiquity to the present, and including a comparative nomenclature in several languages. Important and rare.

4350. MEINZ, MANFRED Ein norddeutscher Hausaltar mit Bernstein-Inkrustationen. *Jb des Altonaer Museums*,

Hamburg, 1964, 143-60; Die Bernsteinsammlung im Altonaer Museum, ibid, 1970, 9-38. Not seen.

4351. MEISSNER Die Perlenmuschel in Oberfranken, *Margaritana margaritifera. Berichte Naturwiss Ges Bayreuth*, 1311-14, 1914, 2 pp + p 3-42. Not seen.

4352. MELCZER, G Ueber einige Mineralien, vorwiegend von Ceylon. *Zs Krist*, Leipzig, 33, 1900, 240-62, pl. Some history, crystallography & forms, properties, etc, on chrysoberyl, blue spinel, and a crystal of sillimanite.

4353. MÉLITÉNIOTE A Byzantine, about whom nothing further is known; left an MS in which gemstones form a part. According to De Mély & Ruelle, *Les Lapidaires de l'antiquite et du moyen age*, 2, Fasc 1, p XVI, which see, "the poem, composed of 3,062 verses on the subject of the glorification of temperance... contains a lengthy enumeration of the precious stones. It was published in 1858 by Emmanuel Miller with rich explanatory commentary after the only known copy, number 1720 in the Bibliothèque Nationale[Paris], the manuscript was executed in the fifteenth century by Manuel Démétrius." The extract mentioned appears on p 205-8, without translation. As usual, the "precious" stones also include many which are not so regarded now, eg, amianthus, selenite, etc.

4354. MELLA, DOROTHEE L The legendary and practical use of gems and stones. First edition 1976. LC #A 781817. Not seen.

4355. -----1979, rev edit

The Legendary And Practical Use | Of | Gems And Stones | Written By | Dorothee L.Mella | Edited by | Teddy Keller | Illustrated by | Ann Marie Shaw | and | Heather Morgan Searle | Revised Edition - 1979^{c} | First Edition Copyright^{c} 1976 | by Dorothee L.Mella | Library of Congress #A 781817 | All rights reserved. No part of this book may be | reproduced in any form by any means without written | permission from DOMEL, INC., Box 3829, | Albuquerque, New Mexico 87110. U.S.A.

Plastic spiral binding, single perforated sheets, hinged at top, with colorless plastic sheet loose overlay protecting cover: [2], 29, [1]p(text on one side each sheet only); 33 text sketches; zodiacal signs on p 4. Dk brown covers, greenish faceted gem on front, white lett; back cover publ name. All paper pale brown stock with dk brown ink. 27.8 x 21.5 cm(11 x 8 1/2 in). Pages 26 & 27 are fold-outs, ca 53 cm(21 in) long. $6.00. JSL.

Cont: plastic overlay; cover; tp; tab cont(index); text; two foldouts; chart 3; biblio(p 29, 13 entries); advert; back cover.

Attractively designed & produced popular guide to the occult properties of gemstones and stones, with suggestions as to their therapeutic use by application to appropriate parts of the body. Discusses supposed powers of stones, influence of color, proper body sites for application, astrological significances of stones and metals. There is a series of tables listing "preferred" gems of the ancients. From p 6 onward, the stones are described and discussed in alphabetical order, from agate to zircon. The 3 charts provide summary tables of stones useful for mental and physical improvement. The references include most major works on the subject in the English language. Unfortunately, the work is marked by many mistakes, unwarranted inferences and conclusions, spelling errors, and the like, suggesting that the writers may have used respected reference sources but were not always able to accurately transfer this information to their own pages. A number of modern gemstones, notably alexandrite and tourmaline, are included for which there can be no traditional basis, while jade is said to have been "rather common" in the tombs of ancient Egypt(!). Curiously, the name "rhyolite" is given as quartz variety. In other places, the "lore" seems to have been invented for the purpose of this book. In no place in the text is any authority specifically cited.

4356. MELLIS, OTTO(1906-1970) Mineralogische Untersuchung an Granaten aus in Schweden gefundenen Schmuckgegenständen der Merowinger- und Karolingerzeit, *Arkiv f Mineralogi Geol*, Stockholm, 3, 15, 1963, 297-362, 58 fig, 11 tabs. Offprint: 8°: pale tan print wrap. 24.1 x 16.8 cm(9 1/2 x 6 5/8 in), Cut. JSL. Intensive mineralogical study of 41 red stones set in ornaments found in Sweden dated to Merovingian/Carolingian periods, to discover (a) the mineralogical characters of the stones(ostensibly garnets), and (b) features of such characterizations which could permit tracing the stones to specific deposits outside Sweden. The stones proved to be mostly pyralspites but possessed insufficient features to afford distinctions of the kind sought for. *Min Abstr*, 17, 2, 1965, 165.

4357. MELNIKOV, M P Ilmenskie mineralnye kopi. *Gornyi Zhurnal*, 1, 1882, 70-151, On the granitic pegmatite mines of Ilmen Mts, Russia. Not seen.

4358. -----1882 Proizkhozdenie Ilmenskikh topazov, ibid, 4, 305-15. Investigation Ilmen Mts topazes. Not seen.

4359. -----1885 Obrabotka tsvetnykh kamnei v Ekaterinburge,sovremennoe sostoyanie etogo promysla i ego budushchee. ibid, 2, 5, 1885, 176-96. Processing of colored stones in Ekaterinburg; present state of industry, future prospects.

4360. ----1891 Petrograficheskie sametki. Marekanit i obsidian Kavkaza, *Zapiski Mineralogischeskogo Obshchestva*, St Petersburg, 1891, ch 28, 195-211, The marekanite & obsidian of the Caucasus. Not seen.

4361. -----1892 Zametki po rozysky almazov na reke Paz v Prinorvezhskoi Laplandii. *Gornyi Zhurnal*, 1, 1892, 447-65. Not seen.

4362. MELVILLE, JOHN Crystal-gazing and the wonders of clairvoyance... to which is appended Jacob Dixon's "Hygienic clairvoyance,"... London, Nichols & Co., 1879. 92, [3]p; publ adverts; 4 pls; index. Cloth. Not seen, from a bookseller's cat, 1982.

4363. -----1903, new, rev edit

Crystal-Gazing | And The | Wonders Of Clairvoyance, | Embracing | Practical Instructions | In The Art, History, And Philosophy Of The | Ancient Science. | Illustrated With Diagrams. | New And Revised Edition. | By John Melville. | To which is appended an Abridgment of Jacob Dixon's "Hygienic | Clairvoyance," with various Extracts and Original Notes. | "The recent discovery of the now famous 'X ray,' enabling mankind to see | through the hitherto opaque, constitutes a probable key to

the scientific solution | of the clairvoyant vision." - Melville. | London: | Nichols & Co., 34 Hart Street, W.C., | And 23 Oxford Street, W. | 1903.

8°: 98, [2 advert]p; 4 pls of line drawings, reverses blank, but all includ in pag. Dk green cloth, gold lett & deeply embossed pedestal in gold & black on cover supporting a ring & cross. Blind-stamped single-rule border on front cover. 19.2 x 13.9 cm(7 1/2 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; pref; text; gloss; biblio(p 91-2, 29 entries); index; advert.

The first part discusses the mineralogical nature and sources of crystalline sphere materials useful for seers, and from the evidence that the author marshals, he concludes that the original and still the best crystal balls were made from the very pale green aquamarine variety of beryl, this color said to be the most evocative of the special properties of such spheres. The Greek derivation of the word "crystal" is given, also the name of beryl, the properties of the latter, quotations concerning beryl, the term crystal in antiquity and the present, and an explanation of how the seer influences the crystal and it influences him. There are mineralogical errors in this interesting work, not to mention the rather incredible reasons the author advances for his choice of beryl as the most suitable material for scrying, especially in view of the scarcity and value of beryl crystals sufficiently clear and large enough to manufacture spheres of useful size.

4364. -----1979, facsimile

Crystal Gazing | And | Clairvoyance | by | John Melville | [logo] | The Aquarian Press Limited | Wellingborough, Northamptonshire [1979; 2nd impress 1981]

Cementb: 96 p; 4 pls; col print wrap. 21.5 x 13.3 cm(8 1/2 x 5 1/4 in). Cut. ISBN 0 85030 216 1.

Cont: 1/2tp; tp; publ data, and with the remainder in facsimile (1903 edit) up to p 88, after which the text is rearranged to conserve space and eliminate the original advert; there is no indication of original edition date and publisher!

4365. MÉLY, FERNAND DU SAUSSAY DE(1851-1935) Le poisson dans les pierres gravées. Lecture faite à l'Académie des Inscriptions et Belles Lettres, le 9 mars, 1888, Paris: E.Leroux, 1889. 18 p, ill, 24.5 cm. Not seen; from *Revue Archéologique*, 3 ser, t 12.

4366. -----1893, with H Courel Les lapidaires grecs dans la littérature arabe du moyen âge. Paris, 1893, 66 p. Not seen, from *Revue de Philologie de Littérature er d'Histoire anciennes*, ns, xvii, 2e livr, 1893.

4367. -----1893 Du rôle des pierres gravées au moyen âge. *Revue de l'Art Chrétien*, 26 Ann, 5 ser, t 4, 1893, 14-24, 98-105, 191-303. Also publ sep: Lille, Desclée, 1893, 33 p, ill, pl, 28 cm. Not seen.

4368. -----1894 Le grand camée de Vienne et la Camayeul de Saint-Sernin de Toulouse. Toulouse: Soc Archéol du Midi de la France, 1894. 36 p, 29 cm USGS Kunz Coll, GS 34-933, rev. Not seen.

4369. MÉLY, FERNAND DU SAUSSAY DE; COUREL, H & RUELLE, C E

Histoire Des Sciences | [rule] | Les Lapidaires | De L'Antiquité Et Du Moyen Age | Ouvrage Publié | Sous Les Auspices Du Ministere De L'Instruction Publique | Et De L'Académie Des Sciences | Par F.De Mély | [rule] | Tome I[- III] | Les Lapidaires Chinois | [rule] | Introduction | Texte Et Traduction | Avec La Collaboration | De M.H.Courel | [orn rule] | Paris | Ernest Leroux, Éditeur | 28, Rue Bonaparte, 28 | [rule] | 1896[-1902]

4°: [1 blank], [1], LXVI, 300, [2 blank]p + p 144-1 Chinese text, in reverse numbering + [1 blank], [1] p; 2 text fig; many woodcuts in the Chinese text, ca one or two per p. Pale gray print wrap, title on cover & spine; other publ bks back cover. 28.5 x 23.2 cm(11 1/4 x 9 1/8 in). Uncut. JSL.

Cont: blank p; other works of author; 1/2tp; press data; tp; dedic; pref; introd; text; gloss; tab; index; blank f; Chinese text; blank p; Chinese tp.

Tome II, Fasc 1

Histoire Des Sciences |...| Par F.De Mély | [rule] | Tome II | Les Lapidaires Grecs | Premier Fascicule | [rule] | Texte | Avec La Collaboration | De M.Ch.-Ém.Ruelle | [orn] |I...| 1898

4°: [2 blank], XVII(p I blank), [1 blank], 225, [3 blank]p; bound-in front pl, another bound-in at p XI.

Cont: 3 blank p; other works of author; front; 1/2tp; press data; tp; note; text; addits & corrects; index; 3 blank p.

Tome II, Fasc 2

Histoire Des Sciences |...| Par F.De Mely | [rule]] Tome II | Deuxieme Fascicule | Les Lapidaires Grecs | Rule] | Texte | Avec La Collaboration | De M.Ch.-Em.Ruelle |...| 1899 [title on wrap only]

4°: p[XIX], XX-XXI (continues pag of prelims of previous vol), [1 blank] p + p [227], 228-318. There are additional notes on the appends & appends, index to same.

Tome III, Fasc 1

Histoire Des Sciences |...| Par F.De Mely | [rule] | Tome III | Premier Fascicule | Les Lapidaires Grecs | [rule] | Traduction |...| 1902

4°: [31, [1 blank], LXXXV, [1 blank], 140 p.

Cont: 1/2tp; other works of author; tp; introd; text.

According to Mely's preface to Tome I, it was originally proposed to write a work in five volumes comprising the Chinese, Greek, Oriental, Latin, and Western lapidaries, of which, unfortunately, only the above texts were published. According to the publisher's advertisement on the back wrapper of Tome III, a 4th volume, *Les lapidaires arabes* was in the press but did not appear.

Tome I begins with a lengthy introduction citing sources, other authorities and their publications, the state of science & technology in China, medicinal lore, history & geography, and legends, all discussed to create a background of reference to the contents of the lapidaries. The principal Chinese treatise is *Wa Kan San Tsai Dzou Ye*, a Sino-Japanese encyclopedia, with text figures, but only the portions dealing with metals, gemstones and other stones are presented here. The original is reproduced at the end of the French text. Next appears a large section entitled "Diverse Textes," extracted from works of Oriental and Western writers, followed by an annotated glossary of terms, a short table of weights & measures used in the East, and the index, after which is the facsimile text mentioned above. The last

is considerably enlivened by numerous crude but effective woodcuts of minerals, stones, fossils, deposits, and objects made from the materials. Tome II was issued in two parts, the first commencing with a facsimile of a pair of pages from a Greek MS in the Bibliotheque Nationale, and the text proper discussing sources, following which are the Greek text of the Cyranides, with interspersed Latin translations, then the Greek version of Damigeron as extracts from several works in which it appeared previously, the Orphic lapidary in Greek, an epitome of same, a lapidary ascribed to Socrates and Dionysius, another by Pseudo-Dioscorides, a lapidary by Pseudo-Hippocrates, a nautical lapidary: "Astrampsychus," then Epiphanius' treatises, the Michael Psellus lapidary, and the extract from the temperance poem of Méliténiotes. A number of additions & corrections follow, plus a Greek index. The second fascicule consists of three appendices which give variants and additions derived from as many differing MSS which the authors consulted and compared to those selected for the first fascicule. A short table of contents finishes the volume.

The last volume begins with a long introduction remarkable for its glossary of mineral terms used especially in the lapidary of Alfonso X of Spain, and for which no certain identifications seem possible. The text provides translations of Theophrastus, although no Greek text for same was given in the previous volume, and similarly, there are translations for portions of Strabo's *Geography*, Dioscorides' *Materia medica*, Pseudo-Plutarch's *Treatise on rivers*, and lastly, Cyranides translation, all in French. Possibly if the work had been completed as designed, the rather disjointed text would have fitted together into a comprehensible whole; as it is, unless one is student of Greek, much of the text is not immediately useful. Nevertheless, much is valuable to the gemologist tracing ancient literary sources and as such, it is constantly referred to by succeeding generations of scholars writing on lapidaries or the lore of gemstones in antiquity. Rare; the paper seems lasting.

4370. MENA, RAMÓN

Museo Nacional | Departamento De Arqueologia | [rule] | Catalogo | De La | Coleccion De Objetos De Jade | Por El Profesor Jefe Del | Departamento | Lic. Ramón Mena | [Aztec calendar stone] | Mexico | Talleres Graficos Del Museo Nacional De Arqueologia, Historia Y Etnografia | 1927

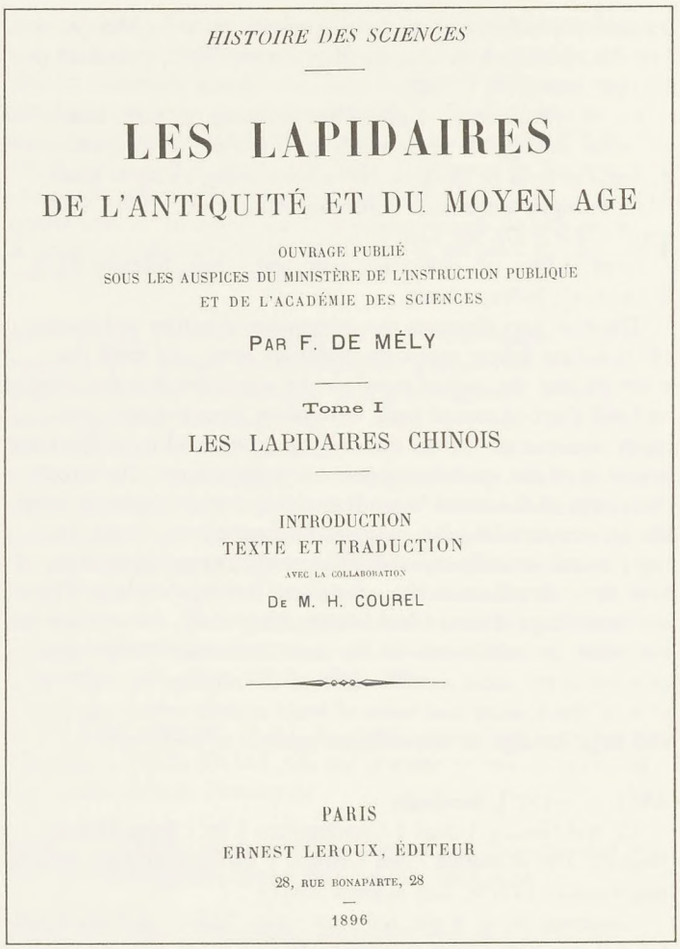
Edgestapled: 78 p; 23 photos on 14 glossy f. Pale green wrap cover title. 21.7 x 14.2 cm(8 1/2 x 5 5/8 in). Cut. JSL. Yang, 1677.

Descriptive catalog of Pre-Columbian Indian jadeite carved objects in the Archeological Museum in Mexico City; entries give number, description, provenance, dimensions, Indian culture to which assigned. The introduction discusses the nature of jade, Indian nomenclature for native varieties, and lapidary methods. Very scarce.

MÉNANT JOACHIM(1820-1899

Fr jurist & assyriologist; judge in appeals court Rouen to 1890; stud cuneiforms; with Oppert, founded science of assyriology in France.

4371. -----1878 Catalogue des cylindres orientaux du Cabinet Royal des Médailles à la Haye, 1878, 84 p, 4°, ill. Not seen, from W H Ward, *Seal Cylinders*, 1910, 16.



HISTOIRE DES SCIENCES

LES LAPIDAIRES

DE L'ANTIQUITÉ ET DU MOYEN AGE

OUVRAGE PUBLIÉ
SOUS LES AUSPICES DU MINISTÈRE DE L'INSTRUCTION PUBLIQUE
ET DE L'ACADÉMIE DES SCIENCES

PAR F. DE MÉLY

Tome I

LES LAPIDAIRES CHINOIS

INTRODUCTION
TEXTE ET TRADUCTION
AVEC LA COLLABORATION
DE M. H. COUREL

PARIS
ERNEST LEROUX, ÉDITEUR
28, RUE BONAPARTE, 28
—
1896

4369. Titlepage to the first of three volumes by De Mély, et al on ancient lapidaries

4372. -----1879 Rapport sur une mission scientifique en Hollande pour étudier les cylindres orientaux du Cabinet Royal des Médailles, à la Haye. Not seen, from *Archives des Missions Scientifiques et Littéraires*, ser 3, 5, 1879, 349-414.

4373. -----1880 Rapport sur les cylindres Assyro-Chaldéens du Musée Britannique. Not seen, from ibid, 6, 1880, 79-132.

4374. -----1883-1886 Les pierres gravées de la Haute-Asie; recherches sur la glyptique orientale, par... Paris: Maissoneuve et C^ie^ 1883-86; 2 vols. I: Cylindres de la Chaldée, iii, 263 p, 6 pls, 167 ill. II: Cylindres de l'Assyrie, Médie, Asie-Mineur, Perse, Égypte et Phénicie, iii, 271 p, 5 pls, 266 ill. LC 3-31614. Not seen. W H Ward, *Seal Cylinders of Westerm Asia*, p 15 ff, "most valuable... thus far the only important work, indeed the only one of any sort, devoted specifically to the explication of the engraved stones of Babylonia and the allied regions."

4375. -----1885 Intailles de l'Asie Mineure. *Rev Archéol*, Paris, ser 3, 6, 1885, 293-318; also publ sep by Leroux, Paris, 29 p; not seen.

MENANT, J & RIDDER, A H P DE, see CLERCQ, L C H F X DE

4376. MÉNASCHÉ, ELIE L

Elie L.Menasche | [orn rule] | Ceylon | Island Of Gems | [orn] [nd, post 1954; wrap: "Times of Ceylon" publishers, Colombo - First Thousand.]

16°: [1 blank], [3], 79, [1 blank]p. Pale tan wrap, cover title. 18.5 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. Rs 3/-. JSL.

Cont: blank p; print data; tp; dedic; 7 chs; misc info sects; blank p.

Interesting, often amusing but rambling, disorganized collection of anecdotes, instructional passages, purchasing advice, and descriptions of Ceylon gemstones. Chs 1 & 2 buying gems in Ceylon, current prices. Ch 3 miscellaneous information, possible loss of color, how color is sometimes improved. Ch 4 mining gems in Ceylon. Ch 5 brief account of origin of the carat weight. Ch 6 curious lore. Ch 7 after the author excuses himself because emerald does not occur in Ceylon, he proceeds to describe it and some of its history, but then goes on to speak of the properties of gemstones, testing, reconstructed gems, curious lore, opal, moonstones, gem cutting, provides a table of Ceylon gemstones, describes the new mineral ekanayakite, imitation pearls, elephant-hair jewelry, more curious lore, and more anecdotes of personal experiences with gemstones as a gem dealer.

4377. MENCHINSKAYA, T I Biryuza. Moscow: Nedra, 1981, 159 n, ill in b&w & col. k 85. In Russ, not seen, from rev *J Gemm*, 18, 5, 1983, 444: "full account of the geology and mineralogy of turquoise deposits over the world, with a full bibliography of the Russian and European works." The same author wrote on turquoise in the Soviet Union in *Dragotsennye tsvetnye kamni kak poleznye iskopaemye*, Moskva, 1937, p 36-56; not seen.

MENDES DA COSTA, EMANUEL(1717-1791)

Brit mineralogist; foreign secty Roy Soc London; translated Cronstedt's *Mineralogy*. See P J P Whitehead's article on, *Bull BM(NH)*, Hist Ser, 6, 1, 29 Sept 1977.

4378.-----1757

A | Natural History | Of | Fossils. | By Emanuel Mendes da Costa, | Fellow of the Royal and Antiquarian Societies of London, and Member | of the Imperial Academy Naturae Curiosorum of Germany. | [rule] | Vol.I. Part I. | [rule] |...[Seneca quot, 3 lines]...| [rule] | London, | Printed for L.Davis and C.Reymers, against Grays-Inn-Gate, | Holbourn, | Printers to the Royal Society. | MDCCLVII.

4°: vi, [2], 294 p; a^4, B-Oo^4, Pp, Qq^2; engrav tip-in pl opp p 260 (basalt columns, views & details). 25.3 x 20.7 cm(10 1/8 x 8 1/8 in). Cropped. JSL; Ward & Carozzi 1539; DeGolyer Coll, Okla U; GS 15-171.

Cont: tp; pref; subscribers; text; index.

The first and only part of a projected work intended to be pursued "through the whole of the Fossil kingdom," but probably stopped because of the expense which the author laments in his preface as being so large that even advance sales to subscribers did not defray costs of this initial volume. Apparently some copies were issued whose titlepages did not indicate that this was part of a larger work. The preface also states that his mineralogy is prepared under a new system, but this seems not to be unique because he classifies fossils, that is, minerals, according to their external characters primarily, and as has been done before, secondarily as to their reactions with acids, fire, and/or striking fire with steel. This work is of interest to gemologists because it describes in detail a large number of marbles and porphyries used for decorative purposes, and indeed most of the work, from page 185 to the end, is so occupied. In addition to descriptions he gives nomenclatures, exact localities, and historical and other remarks of interest. Rare. Pogg I. 484.

MENGE, A, see GOEPPERT, J H R & MENGE, A

4379. MENGE, FRANZ ANTON(1808-1880) Lebenzeichen vorweltlicher, im Bernstein eingeschlossenen Tiere. *Programm... d öffentl Prüfung d Schuler d Petrischule, Danzig*, 1856, p 1-32. Not seen; Scudder, *Biblio fossil insects*, 71, "contains a valuable systematic review of the species in the author's collection... one of the largest ever made." BM(NH) Cat.

MENNELLA, A, see WITHEY, H F

MENTZEL, CHARLES, see RAINIER, P W, et al

4380. MENYAILOV, A A Tufy i kimberlity Sibirskoy platformy i ikh proiskhozhdenie. *Akad Nauk SSSR Trudy Yakutskogo Filiala Sibirskogo Otdeliniya AN SSSR, Ser Geol Sb* 10, Moskva, 1962, cementb: 227, [1]p, 90 fig, 12 photo pls on glossy paper counted in pag; 32 tab; biblio ca 220 entries. Pale gray print wrap, blue cover title. 25.7 x 16.4 cm(10 1/8 x 6 1/2 in). Cut. 1 r 48 k. 1,000 copies. JSL. General geology & petrology of the Siberian platform; details on tuffs & kimberlites, origin, forms, inclusions, and minerals.

4381. MENYAILOV, A A, editor Almazy Yakutii: petrografiya, mineralogiya i geologiya. *Akad Nauk SSSR Trudy Yakutskogo Filiala Sibirskogo Otdelinya An SSSR, Ser Geol, Sb 6*, Moskva, 1961. Cementb: 228 p; 70 fig, tabs. Pale gray printed wrap. 26 x 16.7 cm(10 1/4 x 6 1/2 in). Cut. 1 r 35 k. 1,600 copies. JSL. LC 62-36317. *Min Abstr* 16, 2, 1963, 160. Compiles 21 articles on petrography, mineralogy & geology of diamondiferous gravels & kimberlite pipes of Yakutia, Siberia. Topics: pipe tectonics, geol of kimberlites & enclosing rocks, regional & contact metamorphism, correlations between kimberlites & dike rocks, mineral associates of diamond, distribution of diamond within pipes, characteristics of alluvial diamonds, geol & age of alluvial deposits, aerial prospecting.

4382. -----1962 Petrografiya i mineralogiya korennykh mestorozhdeniy almazov. Ibid, Sb 8, Moskva, 1962. Cementb: 152 p; 42 fig, 58 tab. Pale gray printed wrap. 25.3 x 16.5 cm(10 1/8 x 6 1/2 in). Cut. 84 k. 1,300 copies. JSL. A collection of 8 articles on petrography & mineralogy of the kimberlitic diamond occurrences in Siberia. Topics: relationships between pipes and regional tectonics, composition & distribution of kimberlite in various pipes, alteration in kimberlite, xenoliths, regional distribution of garnets and their relationships to pipe garnets, regional tectonics & rocks.

4383. MENZER, G Die Kristallstruktur der Granate. *Zs Krist*, Leipzig, 69, 1928, 300-96. Constants and densities for the six garnet groups.

4384. MENZHAUSEN, JOACHIM

Am Hofe | Des Grossmoguls | Der Hofstaat Zu Delhi Am Geburtstage | Des Grossmoguls Aurang-Zeb | Kabinettstück Von | Johann Melchior Dinglinger, | Hofjuwelier Des Kurfürsten Von Sachsen | Und Königs Von Polen August II., | | Genannt August Der Starke | Text Von Joachim Menzhausen | Aufnahmen Von Klaus G.Beyer [Facing p: Südeutscher Verlag München; title in greenish-gray & black; 1965]

2°: 94, [2]p; 9 tip-on b&w photos, 54 col photos(some spread over 2 p). Dk emerald-green unfin cloth, gold title on cover & spine. Pale gray endp. Plasticized dj, col photos, title in black on front & spine. 28 x 23 cm (11 x 9 in). Cut. Pale gray paper, identical to endp, forms text to f 47, thereafter the paper is white glossy stock; the b&w photos are tip-ons to the gray paper. Plain gray slipcase. JSL.

Cont: 1/2tp; publ; tp; publ data; pref; introd; col ill & explan; index.

After a preliminary account of Augustus II (Augustus the Strong, 1670-1733) Elector of Saxony and King of Poland, and his great collection of art treasures gathered into the Green Vaults in his palace at Dresden, Germany, now the German Democratic Republic, the history of the celebrated cabinet piece made by court jeweler Johann Melchior Dinglinger (1664-1731) is described along with biographical notes on Aurangzeb, the Great Mogul of India(1618-1707). The splendors of his court were the inspiration for the manufacture of this astonishing silver, gold, enamel, and precious stones piece which forms the subject of this book. This introductory is printed on the gray paper mentioned above and contains a map of Hindustan, views and objects taken from early published accounts of travelers to India, a portrait of Dinglinger, and an old drawing of Dinglinger's completed work. The plates provide color photographs taken from a distance to begin with, then focussing closer and closer to show details. The entire object measures 142 cm(ca 50 3/4 in) wide and 114 cm(ca 40 5/8 in) deep. It is in almost unbelievable detail, showing numerous splendidly costumed court officials, ambassadors, etc. On Dinglinger and his works, see Erna von Watzdorf, *Johann Melchior Dinglinger*, Berlin, 1962, 2 vol, ill, and Kurt Arnold Findeisen, *Der Goldschmied Johann Melchior Dinglinger*, Biberach-Riss, 1951, 100 p, ill.

4385. -----1965, Engl edit

At The Court | Of The Great Mogul | The Court At Delhi On The Birthday | Of The Great Mogul Aurang-Zeb | Museum Piece By | Johann Melchior Dinglinger, | Court Jeweller Of The Elector Of | Saxony And King Of Poland, August II, | Called August The strong | Text By Joachim Menzhausen | Photographs By Klaus G.Beyer [facing p: logo & "Edition Leipzig," [1965]; p 4: "Translated from the German by Michael Horovitz."]

2°: 94, [1], [1 blank], same ill, paper, etc, only the cloth being of coarser weave, unfin. Front wrap title printed over a yellow band; pls list omitted. JSL.

4386. -----1965, Fr edit La cour du Grande Mogol. Leipzig, 1965, 94 p, ill. Buckram 28.5 x 23.5 cm. Not seen, from T.Heneage Cat 8, London, 1984, no 1094.

4387. -----1968

Joachim Menzhausen | Das Grüne | Gewölbe | Fotos Von | Gerhard Reinhold | [logo] | [1968; title in green & black; p 4: "Rembrandt Verlag Berlin... Copyright 1968 By Edition Leipzig...]

8°: 114 p + 143 p pls sect + [1 blank]p + [1]f folded inward twice; 14 text photos(tip-on cut-outs); 99 b&w photos; 48 col photos in pls sect(1 photo folds inward). Pale tan unfin cloth of coarse, open weave; green lett spine. Col dj, front cover photo, otherwise plain. 31.2 x 23.5 cm(12 1/4 x 9 1/4 in). Cut. Plain white card slipcase. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref; historical notes; biblio (p 69, 20 entries); photo explan; index; pls sect; inward fold f.

The astonishingly fine and varied treasures in the Green Vaults of Dresden, German Democratic Republic, are first treated historically, then described and depicted. While not exhaustive by any means, this latest of a long series of catalogs that attempted to impart some idea of the magnitude and diversity of the collections is notable for being the first to describe the treasury since its re-opening subsequent to World War II. It includes excellent photographs, a clear text, and a good quality book production. The descriptions are adequate and include remarks on materials, sizes, provenances, and other useful information. The collections are remarkable for the wealth of gemstones incorporated in the objects and jewels, sometimes forming most of the whole, as in containers, or used to highlight or decorate metal & enamel surfaces. All types of gems are represented, from cabochons to engraved gems, faceted gems, and carvings.

4388. -----1968, Engl edit

Joachim Menzhausen | The | Green | Vaults | Photographs By | Gerhard Reinhold | [logo] | Edition Leipzig [1968; p 4: "Translated From The German By Marianne Herzfeld And Revised By Professor D.Talbot Rice"]

Same p total, but text ends on p 67 instead of 65; comments on ill begin on p 68 instead of 79; otherwise identical. JSL.

4389. -----1983, another edit

The Green Vault | An Introduction | State Art Collections in Dresden [Dresden: Staatliche Kunstsammlungen Dresden, 1983]

8°: 119, [1]p; 97 col photos. Glossy col photos over bds, title & resume on green band on back cover; pale green photo endp. 23.2 x 16.6 cm(9 1/8 x 6 1/2 in). GDR Mk 15. JSL.

Cont: 1/2 tp; tp; publ data; text.

Stated to be the third edition; the previous two editions are not listed but the copyright date is 1977. Essentiallv a photographic guide to the vaults together with historical and descriptive text. The photos are of fair to good quality. Rev *J Gemm*, 20, 4, 1986, 254.

MENZHAUSEN, J, see STEINGRÄBER, E, 1968

MERCATI, MICHELE or MICHAEL(1541-1593)

Ital naturalist; b Tuscany; physician to Pope Clement VIII from 1592; director Vatican botan garden; cataloger Vatican geol coll by 1754 & created in the Vatican the first significant European mineral museum in 1585. *Biogr Univ*, 28, 337-8. See a recent biogr & discussion of below book by R Pagano, "La Metallotheca Vaticana. Un museo, un trattato," *Rivista Mineral Ital*, 2, 1981, 47-52. Pogg 2, 121.

4390. -----1717

Michaelis Mercati | Samminiatensis | Metallotheca | Opus Posthumum, | Auctoritate, & Munificentia | Clementis |

Undecimi |Pontificis Maximi | E tenebris in lucem eductum; | Opera autem, & studio | Joannis Mariae Lancisii | Archiatri Pontificii | Illustratum. | Engrav vignette, an angel, carrying a plaque with Pope Clement XI portr] | Romae MDCCXVII. | Ex Officina Jo: Mariae Salvioni Romani | In Archigymnasio Sapientae. | [rule] | Superiorum Facultate. [title in red & black]

2°(in 4's): lxiv, 378, [17], [1 blank]p; triple star^{8}, b-h^{4}, A-Bbb^{4}, Ccc^{6}. Front engrav pl of Clement XI being offered books; engrav portr of Mercati after a Tintoretto portr; engrav text tp showing a collonaded niche and statue of the Ephesian Artemis surmounting a plaque bearing title and supported by human figs on either side and a pair of amori below; engrav pl of cabinet "Terrae," another of cabinet "Sal et Nitrum;" and a large fold engrav pl of the Solfatara at Pozzuoli nr Naples. Also an engrav pl labeled "quartum Dioscoridis Alcyonium," and a double-leaf engrav pl of the interior of the Vatican Museum + 141 text engrav; 1 tab. 37 x 26 cm(14 1/2 x 10 1/8 in). Cut. JSL; Dewalque 1506; DeGolyer Coll, Okla U; Agassiz III, 582.

This splendid and attractive work existed only in manuscript at the time of Mercati's death, but it was taken over and prepared for formal printing by the great physician Giovanni Maria Lancisi(1654-1720), who also prepared an appendix, with its own titlepage, dated Rome 1719, which is sometimes bound-up with the principal work. The Vatican collection consists of a series of cabinets with drawers, or "armaria," in which are housed collections of earths, salts, alums, gums & resins, marine products, ores, fossils, marbles, and other objects collected by Mercati. Among the specimens many are of interest to the gemologist, eg, lapis lazuli, p 701, jet, p 85-6, amber, p 87-90, the latter illustrated with the absurd falsification showing a frog encased in amber, precious coral, p 114-21, bezoars, 171-82, and pearls & nacre, 188-213, this last with an engraving of an instrument used to measure the diameter of pearls for purposes of obtaining weight(p 209). The collection reflects the state of knowledge extant at the time and therefore includes objects of presumed magical or medicinal virtue as well as those which are correctly identified and described. The plates can scarcely be equalled for fidelity to originals and the exquisite care employed in their engraving and printing.

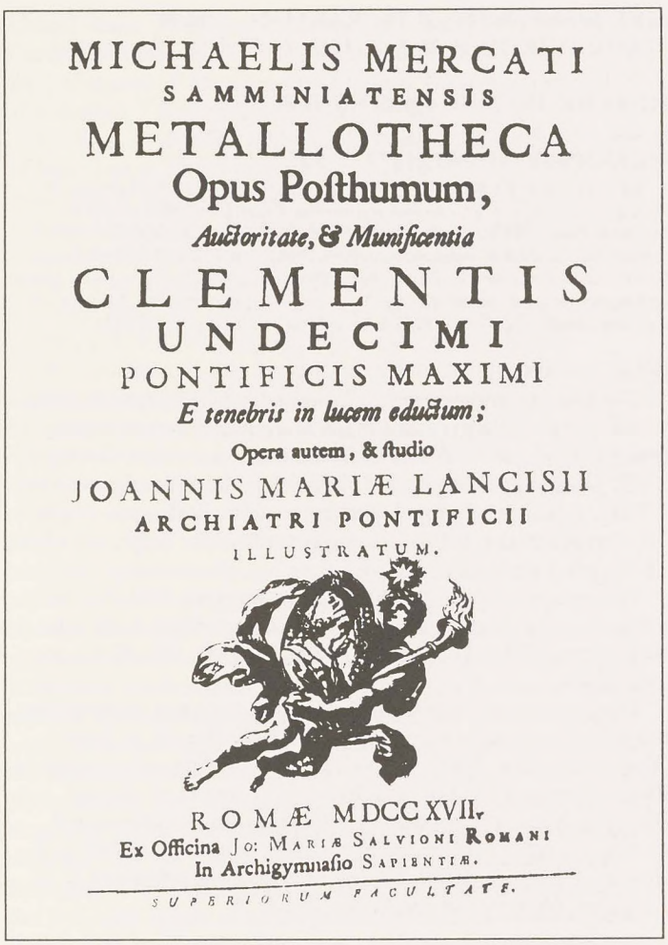
According to the British Museum(Nat Hist) Library Catalogue, the entire work was also re-issued as one, when the appendix was published, and such copies were then given a new titlepage bearing the appendix date of 1719. The appendix contains alternate plates to several in the basic work and were prepared with equal skill, but other plates, all new, are also present, these apparently having been discovered after issuance of the original and therefore included here. Ward & Carozzi, 1541. The appendix contains nothing of interest to the gemologist and is not described.

MERCER, MARION, see AUSTIN, A C

4391. MERCEREAU, H

N° 50. | Bibliothèque Scientifique | Des Ecoles Des Familles | 15 | Centimes | Directeur | Gustave Philippon | Docteur ès sciences | Perles Et Pêcheries | Par | H.Mercereau | Ancien professeur de l'Université. | Henri Gautier, editeur, 55 Quai des Gds Augustins. Paris. [nd, 1896?; cover title only]

Centerstapled: 34, [1], [1 blank]p. Dec reddish-tan wrap, blue orn & lett on cover in Art Nouveau style; back & inside covers advert. 18 x 12.2 cm(7 1/8 x 4 7/8 in). Cut. USGS Kunz Coll, GS 34-265.


MICHAELIS MERCATI
SAMMINIATENSIS
METALLOTHECA
Opus Posthumum,
Auctoritate, & Munificentia
CLEMENTIS
UNDECIMI
PONTIFICIS MAXIMI
E tenebris in lucem eductum;
Opera autem, & ſtudio
JOANNIS MARIÆ LANCISII
ARCHIATRI PONTIFICII
ILLUSTRATUM.
ROMÆ MDCC XVII.
Ex Officina Jo: Mariæ Salvioni Romani
In Archigymnaſio Sapientiæ.
SUPERIORUM FACULTATE.

4390. Description of the Vatican's mineralogical collections and notable for the fine engraved plates that are beautifully engraved and faithful to the original objects

Popular work on the pearl and its fisheries: natural history, properties, colors, nacre & pearl, pearl banks & fisheries, forced growth, falsifications, values.

4392. MERCURE INDIEN, LE Le mercure Indien ou les Trésor des Indes, dans lequel traité de l'or, de l'argent et du vif argent, de leur formation, de leur origine, de leur usage et de leur valeur; avec une explication sommaire des titres de l'or et de l'argent, et de leur affinage. Id. des pierres précieuses et des perles, de l'agathe, du Lape et du Lapis, etc. Paris 1672, 4°. Dewalque, 33, a copy in Univ of Liège. Not seen.

MERCY, E L P, see O'HARA, M J

4393. MERENKOV, B Ya Dragotsennye tekhnicheskie i podelochnye kamni. Moscow & Leningrad, 1936, 90 p, not seen. Colored, architectural & ornamental stones.

4394. -----1936 Almaz. *Nemetallicheskie Iskopaemye SSSR*, 1, Moskva, 1936, 71-124. Not seen. Diamond.

4395. MERENKOV, B Ya; RAKITIN, A M & SHUBNIKOV, A V Agat. Ibid, 41-58, Not seen. Agate.

MERENKOV, B Ya, see SINEGUB, E S

MERENSKY, HANS (1871-1952)

Ger surgeon, but entire career mainly devoted to practise of field geology & mining enterprise; stud geol & min engineering Freiberg & Berlin; settled in Transvaal 1904; stud Bushveld complex & discovered platinum deposits; opened rich alluvial diamond deposits Namaqualand 1926; Hon PhD's U Stellenbosch & U Pretoria; Leibnitz Medal of Pruss Acad; Draper Medal of Geol Soc South Africa. *Look beyond the wind, the life of*...Olga Lehmann,1955; also her *Hans Merensky, ein deutscher Pionier*... Göttingen: K.W.Schütz,1965, PJ Hugo et al, no 1822.

4396. -----1909

Die Diamantvorkommen in Lüderitzland | Deutsch-Südwestafrika. | Von | Bergassessor Hans Merensky, | Johannesburg. | [rule] | Sonderabdruck aus "Zeitschrift für praktische Geologie", XVII. Jahrgang, 1909, Heft 3. | [rule] | Mit 3 Textfiguren und 1 Tafel. | [rule] | Berlin. | Verlag von Max Krahmann. | NW 23, Handelstr. 6 | 1909. [also in *Trans Geol Soc S Afr*, 12, 1909, 13-23, pls 1 & 2(sketch map)]

Centersewn: [10], [2 blank]p; 3 fig(2 maps), fold pl of 6 scenic views. Pale gray wrap, title on cover; adverts both sides back cover. 27.2 x 19.8 cm(10 3/4 x 7 3/4 in). JSL. Cont: tp; text; blank f.

First competent inspection/description report of diamondiferous alluvials along beaches and inland from the sea in South West Africa. The sketch maps show the coastline and established diamond areas from Lüderitz Bay (N) to mouth of Orange River(S). Merensky became wealthy from his discoveries and claims, the latter sold to De Beers. This episode described in E Bruton, *Diamonds*, 1970, 59; see also frequent references in O Levinson, *Diamonds in the Desert*, 1983.

4397. MERKER, LEON

Office Of Military Government For Germany (US) | FIAT Final Report No. 1001 31 March 1947 | And Supplement No.1 | The Synthetic Stone Industry Of Germany | By | Leon Merker | Technical Industrial Intelligence Division | U.S. Department Of Commerce |...[4 lines]...

Edgestapled: [2], 24, [2], 3, [1 blank]p; 6 drawings. Pale blue-gray print wrap, cover title. 24.7 x 18.2 cm(9 3/4 x 7 1/8 in). JSL.

Reviews methods developed in several German firms for making synthetic sapphire & spinel during World War II; remarks on raw materials, apparatus, techniques, and uses in gemstones; drawings of furnaces & apparatus.

4398. MERLE, ANTOINE(1872-)

Explorations Minières | Dans le centre et l'ouest de Madagascar | Par | A.Merle | [rule] | Extrait du Bulletin | De La Société Française Des Ingénieurs Coloniaux | [orn] | H.Dunod et E.Pinat, Éditeurs | 49, Quai des Grands-Augustins | Paris | [rule] | 1912

8°: 158 p; 143 photos; 38 fig(geol sketches); fullp map. 23.4 x 15.9 cm(9 1/4 x 6 1/4 in). JSL.

Detailed journal of an exploratory geological trip taken through the central & western regions of Madagascar with special emphasis on descriptions of granitic pegmatite deposits which yield gemstones; also occurrences of sapphire, scattered references to silicified wood, chalcedony, and jet.

4399. MERRILL, FREDERICK J H Geology and mineral resources of San Diego and Imperial counties. *Calif State Mining Bur, Chapters State Mineralogist's Rpt, vol 14, Bienniel Period 1913-1914*, California State Printing Office, Sacramento, 1914. Also sep, edgestapled: 113 p, many ill; pale gray print 22.4 x 14.7 cm(8 7/8 x 5 3/4 in). Cut. JSL. Gemstones of San Diego County described, p 61-75, with 6 photos.

MERRILL, GEORGE PERKINS (1854-1929)

USA geol/mineralogist, museum administrator; b Auburn, ME; BS U Maine 1879, MS 1883, PhD 1889; asst chem Wesleyan U 1879-80; to USNM 1881, to Head Curator 1897; also prof geol G Washington U 1893-1915; J L Smith Gold Medal for meteorite research; author important historical surveys American geology, meteorite studies & handbook. Obit C Schuchert, *Ann Rpt Smithson Inst, for 1930*, 1931, 617-34, portr; O C Farrington, *Bull GSA*, 41, 1939, 2709; W Lindgren, *Nat Acad Sci Biogr Mem*, 17, 2, 1935, 31-53, portr. DSB 9, 314-6; Pogg 6, 1705.

4400. -----1889 The collection of building and ornamental stones in the U.S. National Museum: a hand-book and catalogue. *Ann Rpt Smithson Inst for 1886*, pt 2 [Rpt USNM], 1889, 277-648, 9 wood engrav pls tip-in; 14 wood engrav fig. JSL. A general treatise that is considerably more than a mere catalog of the specimens in the collection. The first part provides historical remarks on stones, the minerals therein, physical & chemical properties, classification, geology, and technology of quarrying, dressing, polishing, etc., with much on machinery, and with chapters on weathering of stones, choices for various uses, and stone deposits in the United States and elsewhere in the world. There are appendices on testing, prices, costs, imports & exports, examples of stone used in specific buildings, a bibliography of works on stone, p 519-20, 29 entries, a glossary, and in Append G, the museum catalog, p 526-633. The publication of this work established Merrill's expertise in the field and laid the groundwork for his subsequent treatises. LC 14-19249.

4401. -----1891

Stones | For | Building And Decoration. | By | George P.Merrill, | Curator Of Geology In The United States National Museum. | New York: | John Wiley & Sons, | 53 East Tenth Street. | 1891.

8°: [2 blank]f + ix, [1 blank], 453, [5 blank]p; front wood engrav pl tip-in + 10 others tip-in; 18 fig. Brownish-red cloth, blind rules on cover, blind rules & gold lett spine. Dk, dull-finish endp. 23.1 x 14.7 cm(9 1/8 x 5 7/8 in). Cut. Titleleaf is supplied. JSL. LC 6-16897.

Cont: 2 blank f; front; tp; publ data; pref; tab cont; ill lists; text; index; 5 blank p. Biblio, p 428-30, 29 entries.

Based on his previous work described above and encompassing largely the coarser-grained building stones of all classes but containing information useful to lapidaries and gemologists on several decorative stones, ie, serpentines, alabasters, calcite onyxes, and brief notes on agalmatolite, catlinite, fossil coral, labradorite, lapis lazuli, malachite & azurite, nephrite, obsidian, graphic granite, quartz, rhodochrosite, rhodonite, and thulite.

4402. -----1897, 2nd edit

Stones |...| Curator Of Geology In The United States National Museum | Second Edition, Revised And Enlarged. | First Thousand, | New York: | John Wiley & Sons. | London: Chapman & Hall, Limited. | 1897.

8°: [3 blank]f + ix, [1 blank], 506, [6 blank]p + 16 advert p + [1 blank] f; same front pl tip-in + 18 others but all now on heavier, glossy white paper, tip-in; 18 fig. Brown cloth, blind ruled covers, blind rules & gold lett spine. Dk brown, dull-finish endp. 22.9 x 14.6 cm(9 x 5 3/4 in). JSL.LC 3-16256. Adds "over fifty pages of reading matter and full-page plates."

4403. -----1903, 3rd edit

Stones |...| Curator Of Geology In The United States National Museum. And Professor Of Geology | In Columbian University; Author Of "Rocks, Rock-Weathering, And | Soils," "The Non-Metallic Minerals," Etc. | Third Edition, Revised And Enlarged. | First Thousand. | New York: | John Wiley & Sons. | London: Chapman & Hall, Limited. | 1903.

8°: [1 blank]f + xi, [1 blank], 551, [5 blank]p + 16 advert p + [1 blank]p; photo front pl tip-in + 32 others, most on white glossy paper; a doubleleaf map is between p 203-4; 24 fig. Pale gray cloth, blind ruled covers, blind rules & gold lett spine. Brownish-gray dull-finish endp. 22.9 x 14.7 cm(9 x 5 3/4 in). Cut. JSL. LC 3-16256.

Adds more material; testing chapter revised; brief chapter added on use of boulders; some new illustrations, including 5 maps. Minor ornamental stones of interest now fill p 344-52 and include barite and septarian nodules.

4404. -----1895 The onyx marbles: their origin, composition, and uses, both ancient and modern. *Ann Rpt USNM for 1893*, 1895, 539-85, Pls 1-18. Separately issued in print terra-cotta wrap, 8°: [2], [1 blank] p + p 539-585 + [1 blank]p; 18 photo pls tip-in; fold tab of properties. 24.6 x 15.3 cm(9 3/4 x 6 in). Uncut. JSL. I have seen the same in pale green wrap, with "The Onyx Marbles" on cover only, and lacking the regular titleleaf, 21.75 x 14.5 cm(8 1/2 x 5 3/4 in), cut, and presumably privately issued by author. A neglected classic, the most thorough discussion of calcite onyxes then available, with a brief history of uses, origin, modes of occurrence, uses, properties, domestic & foreign deposits, and a catalog of specimens in the US National Museum. Includes many attractive types and much that is suitable for lapidary work as well as ornamentation.

4405. -----1895-1896 The onyx marbles, their origin, composition, and uses, both ancient and modern. *Stone*, Chicago, 12, 1895, 116-21, 228-36, 326-30, 425-29, 559-64; 13, 1896, 9-12, 116-20, Pls 5-18. Not seen, from bibliogr of author, in *Nat Acad Sci Mem*, see above.

4406. MERRILL, GEORGE PERKINS & MATHEWS, EDWARD B Part II. The building and decorative stones of Maryland. MD Geol Survey, Vol 2, Baltimore, The Johns Hopkins Press, 1898, p 45-241, 29 tip-in pls: 4 col geol maps(1 fold); 8 col rock sects; 17 b&w or sepia-tint photo pls + 19 fig. Volume in standard dk green gilt cloth, 25.2 x 17.3 cm(9 7/8 x 6 3/4 in). JSL. The first section is by Merrill on the general features of stones, to p 123, the remainder by Mathews is on Maryland stones, including the ornamentals. GS 5-264.

4407. MERRILL, G P; MOODEY, MARGARET W & WHERRY, EDGAR THEODORE(1885-1982)

Smithsonian Institution | United States National Museum | Bulletin 118 | [rule] | Handbook And | Descriptive Catalogue Of The | Collections Of Gems And Precious | Stones In The United States | National Museum | By George P.Merrill | Head Curator of Geology, United States National Museum | Assisted By | Margaret W.Moodey And Edgar T.Wherry. | [logo] | Washington | Government Printing Office | 1922

8°: front pl + VIII, 225, [1], [2 blank]p; tip-in front portr pl of Isaac Lea + 13 tip-in pls(2 col); 26 fig. Pale gray print wrap; spine title & logo; logo back cover. 24.8 x 15.8 cm(9 3/4 x 6 1/8 in). Uncut. Also in dk green, ribbed cloth, gold logo on cover & back; gold spine title with logo. 22.9 x 14.8 cm(9 x 5 7/8 in). Cut. Paper $.50. LC 22-26357.

Cont: front; tp; advert; pref; tab cont; ill list; text; appends (biblio, p 217-8, 38 entries); index; sales note; blank f.

The excellent, highly competent & interesting successor to the similar catalog of Wirt Tassin, which see. Like its predecessor, it is also a short treatise on gemology as well as a descriptive list of the contents of the several collections of cut & rough gemstones. The first two sections are a history of the collections, their arrangement, nomenclature, and properties of gemstones, followed by a third section catalog in which the gemstones are arranged alphabetically and each furnished with descriptive matter. In some instances, eg, corundum, such descriptions become respectable short essays which cover many aspects of the gemstone discussed. The fourth section describes supplemental collections which consist of an educational collection, imitations, artificial and synthetic gemstones, ornamental materials, and occurrences and associations of gemstones. Appendices include descriptions of lapidary apparatus & methods, gemstones of the Bible, curious lore, birthstones, more on nomenclature, industrial uses of gemstones, tables for gem identification, production statistics, and the bibliography. Among the plates are many interesting views of deposits as well as of mineral specimens, but the two color plates of native gemstone cabochons are superb. Rev E F Holden, *Amer Min*, 8, 6, 1923, 112-3. Obit E T Wherry, ibid, 69, 1984, 580-5; select biblio; portr.

4408. MERRILL, G P & FOSHAG, WILLIAM FREDERICK(1894-1956)

Minerals From | Earth And Sky | Part I | The Story Of Meteorites | By | George P.Merrill | Head Curator, Department of Geology, | U.S.National Museum | Part II | Gems And Gem Minerals | By | William F.Foshag | Assistant Curator, Division of Mineralogy and Petrology, | Department of Geology, U.S.National Museum | Volume Three | Of The | Smithsonian Scientific Series [New York: Smithsonian Scientific Series, Inc., 1929; title in red & black]

8°: [6 blank], [13], [1 blank], 331, [5 blank]p; glossy front photo pl tip-in + 99 photos on 45 tip-in glossy f(4 with printed tissues; 13 in col); 19 fig; 12 tab. Commonly in red, pebbled cloth, gold vertical frames & torches on cover, with inlaid circular green leather & gold Smithsonian logo; gold rules, torches, lett on spine. 23.4 x 16.1 cm(9 1/4 x 6 1/4 in). Te cut, others untrimmed. Also in special, brown leather binding, elaborately dec in gold scrolling on cover, central gold logo on inlaid red-brown leather; similar spine; mottled, tan endp. P size same, but fe deckled, teg; in plain slipcase. Another "patron's edition," in white vellum. The ordinary cloth set sold for $150.00 for 12 volumes; the leather set for $198.00. Numerous reprints in slightly varying bindings of the common cloth issue. JSL. LC 35-6390.

Cont: 3 blank f; ser tp(in red & black); front; tp; publ data; tab cont; ill lists; pref; part tp; texts; index to both parts; 5 blank p.

The second part on gems and gem minerals, p 165-322, includes all of the color plates save for the frontispiece. Foshag was an exceptional writer who managed to use non-technical language in a dignified fashion and without resort to slang or jargon to create a work that remains eminently readable, informative, and interesting. Topics include definition of gem minerals, chemical classification, crystal growth, properties both real and imagined, as in gemstones to which magical or curative powers were thought to reside, descriptions of individual varieties and species, and with notes on deposits, followed by a discussion of synthetic gem materials. A very valuable chapter provides biographical notes on eminent collectors all of whom contributed in some way either to the growth of museum collections or to general knowledge of gemstones, including Smithson, Bement, Vaux, Lea, Roebling, and others. There is a chapter on gem cutting and a final chapter on the gemstones of the Bible. Notable plates: sepia-toned photograph of Arkansas diamond crystals, another of Montana moss agates, several of gemstone necklaces, a rather weakly-colored illustration of tourmaline crystals, a color photograph of the museum's famous Pala, California colored tourmaline specimen, also cut gems, a kunzite crystal in color, an excellent color plate of Utah variscite and New Mexico turquoise. The popularity of the series was so great that even today scarcely any large secondhand bookstore lacks either sets or single volumes.

MERRILL, G P, see CLARKE, F W & MERRILL, G P; also GANNETT, H; also WATSON, T L, et al

MERRIMAN, JOHN X, see OUR DIAMOND INDUSTRY

4409. MERRITT, P L The identification of jade by means of X-ray diffraction patterns. *Amer Min*, 17, 11, 1932, 497-508, 4 fig, 5 tab.JSL. Optical & physical properties of jades, patterns determined on numerous specimens of jadeite and nephrite, as well as jade-like materials, ie, serpentine, idocrase, agalmatolite, grossular.

MERTENS, R, see KALOKERINOS, A, 1981

4410. MERTIE, JOHN B, Jr Quartz crystal deposits of southwestern Virginia and western North Carolina. *USGS Bull* 1072-D, Wash, DC, 1959, centerstapled: IVp + p233-298; fig 7-12(sketch maps), printed wrap. JSL. Mostly on deposits of rock crystal from 37 sources; most proved useless for piezoelectric purposes; mainly from openings in quartz veins penetrating schists and gneisses.

MÉRY, JOSEPH, see GAVARNI

4411. METAIS DE MINAS GERAIS

Governo Do Estado De Minas Gerais | Secretaria De Indústria, Comércio E Turismo | Gemas de Minas Gerais | Metais de Minas Gerais S.A. Metamig | Belo Horizonte - 1981 [title in black & blue]

Cementb, oblong: [5], [1 blank]p + p11-74 + [1], [1 blank]p. If final unnumb f is brought forward into prelims, and front wrap included, the pag would become correct. 26 text fig(part col sketch map, drawings); 37 col photos; 2 building plans; many prod graphs. Headings in blue. White glossy wrap, col photos, advert. 18 x 23.9 cm(7 x 9 3/8 in). Cut. Sheets loosen when booklet opened. JSL.

Cont: tp; co officers; fwd; tab cont; introd; text; gloss; biblio (p 71, 22 entries); index; publ data.

Describes and publicizes gemstone mining & lapidary industries of the State of Minas Gerais, Brazil. Topics: history of interior explorations by Portuguese colonists with sketch route map, mineralogy & crystallography, lapidary treatment, weights, principal gemstones of the state, synthetics & imitations, collector stones, precious jewelry metals, gems as investments, identification, description of the Commercial Center for Gemstones(Belo Horizonte?). Poor to misleading color renderings in photos; cementback binding completely unsatisfactory.

METAMIG, see MARENSI DE MOURA, et al

4412. METCALFE, JUNE

Mining Round the World | Stories of Mines, Minerals and Men | by June Metcalfe | illustrated by | Garry MacKenzie | New York | Oxford University Press | 1956 [col decor on both tp & facing p]

8°: [2], 123, [3 blank]p; 6 fullp pen & ink sketches. Tan cloth decorated; black spine title. 20.2 x 13.8 cm(8 x 5 1/2 in). Cut. LC 56-12112.

Cont: 1/2tp; tp; dedic & publ data; note; tab cont; 6 chs; biblio(p 113-7, 42 entries); index; 3 blank p.

On uranium mining, tin dredging, opencast copper mining, Broken Hill lode of Australia, Kimberley diamond mine(p 77-96), and a deep gold mine in Witwatersrand. Older juveniles.

4413. METROPOLITAN MUSEUM OF ART Ancient gems from the Evans and Beatty collections. New York: Metropolitan Museum of Art, 1342, 54 p. Not seen.

METROPOLITAN MUSEUM OF ART, see BISHOP, H R, 1903.

4414. METTA, NICOLAS & METTA, ANDRÉE

"Que Sais-Je?" | Le Point Des Connaissances Actuelles | [double rule] | Les Pierres | Précieuses | par | Nicolas et Andrée Metta | [logo] | Presses Universitaires De France | 108, Boulevard Saint-Germain, Paris | [rule] | 1953 [Nr 592]

8°: 124, [4] p; 36 fig(1 doublep map). White paper wrap, cover title, compass, col panel; other bks back cover; black spine title & no. 17.5 x 11.5 cm(6 7/8 x 4 1/2 in). Cut, Paper browning. JSL.

Cont: 1/2tp; tp; publ data; introd; 9 chs; append; biblio, p 125, 11 entries; blank p; tab cont; publ data.

Concise, popular treatment of gems & gemology. Topics: history of gems, occurrences, properties, cutting, descriptions of major & minor gemstones, symbolism, synthetics, economy, organic gems(in appendix). Summary table of properties for 20 gemstones, p 56-9. Another edition by H J Schubnel issued in 1968, which see, but it is actually an entirely new work.

4415. -----1969, Portuguese

Coleção "Saber Atual" | [rule] | As Pedras Preciosas | por | Nicolas e Andrée Metta | Tradução de | Emmanuel de la

Morinière | [star] | [logo] | Difusão Européia Do Livro | Rua Bento Freitas, 362 | Rua Marquês de Itu, 79 | São Paulo | 1960 [Series nr 59]

16°: 131, [1 blank], [1], [3 blank]p; 36 fig(doublep map). Red, white & black wrap, black cover title; red bands & black spine title; flaps fold inward. 18.4 x 13.5 cm(7 1/4 x 5 1/4 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; introd; 9 chs; append; biblio; blank p; print note; 3 blank p. The doublep map is redrawn.

METZ, RUDOLF(1923-)

Ger mineralogist, chemist; b Karlsruhe; stud Freiburg i Br U under H Schneiderhöhn, obtaining Dr rerum naturum; 4 yrs asst in Freiburg U; since 1959 in Inst Geol, Techn Hochschule Karlsruhe; sometime edit *Der Aufschluss.*

4416. -----1961 Edelsteinschleiferei in Freiburg und im Schwarzwald und deren Rohstoffe. Lahr/Schwarzwald: Moritz Schauenburg Verlag, 1941, 8°: 110, [2] advert p, 25 fig(maps), stiff orange paper wrap covered by loose tan printed wrap. 22.2 x 15.2 cm(8 3/4 x 6 in). Cut. DM 7.80. History of the development and progress of the gem cutting industry in Freiburg and the Black Forest, Germany; covers all aspects with considerable thoroughness, including the "cottage industry" characteristic of the region, the protective organisations erected by the lapidaries, raw materials and where they came from, the trade, techniques of cutting and equipment used. Rev W Fischer, *Der Aufschluss*, 12, 10, 1961, 308.

4417. -----1964, Antlitz series

Antlitz Edler | Steine | Mineralien · Kristalle | Text Von Dr.Rudolf Metz | Farbphotos Von | Arnold E.Fanck | Chr. Belser Verlag Stuttgart [1964]

Cementb, in 2°s: 188 p; 89 col pl cut-outs tipped-on blank p(3 such pages have 2 pls each), one is front; 8 text fig. Pale tan, brown-flecked unfin cloth, gold title on black panels on cover & spine. White dj, col photos, resume, advert. 29.1 x 23.8 cm(11 1/2 x 9 3/8 in). Cut. DM 85.-. In plain cardbd slipcase; or spec decorated slipcase matching binding, DM 98.-

Cont: 1/2tp; front; tp; dj captions & other data; tab cont; fwd; introd; text; biblio(p 183-4, 64 entries); index; mineral list.

Large, elaborate, beautifully illustrated book made of quality materials but surprisingly enough, not sewn! It was selected as one of the 50 most beautiful German books of the year 1963 and is one of the earliest "coffee-table" illustrated mineralogies and as suggested by this designation, meant more to visually excite than to mentally satiate any appetite for real knowledge. Its meager text reviews major points of theoretical and economical mineralogy with remarks on gemstones to accompany the 24 color photographs of gemstones. The two chapters on gemstones, p 160-78, provide some general information and briefly describe important species and varieties. Extended rev by W Lieber, *Der Aufschluss*, 15, 2, 1964, 57. A E Fanck(1919-), prof photographer.

4418. -----1964, Engl edit, London

Precious Stones | And Other Crystals | Rudolf Metz | With 89 Colour Plates | By Arnold E.Fanck | [logo] | Thames And Hudson · London [1964; transl by W.Mykura]

Cementb, unsewn: 191, [1 blank]p; sim ill but see note below. White, gray-flecked unfin cloth, large gold logo on cover; gold spine lett. Green & black dj; color photos on covers, other publ bks. 29.2 x 24 cm(11 1/2 x 9 3/8 in). Cut. Plain cardbd slipcase. £8.8s. JSL.

Cont: 1/2tp; front; tp; front caption & photo credits, publ data; tab cont; pls list; pref; introd; text; index; blank p.

Ill list now moved up into front matter; some col pls substituted & others rearranged; minor text revisions; the 2 unnumb chs on gemstones now occupy p 164-83. Rev *J Gemm*, 9, 9, 1965, 303.

4419. -----1965, New York

Precious Stones |...] Arnold E.Fanck | A Studio Book | The Viking Press · New York [1965].

Essentially identical to above; $25.00; LC 65-11372. Rev *G & G*, 11, 10, 1965, 318.

4420. -----1965, Swed, Stockholm(?) Ädelstenarnas värld. Not seen.

4421. -----1965, Ger, derived edit

Edle Steine | Glanz und Zauber | der Mineralien und Kristalle | Text Von Dr.Rudolf Metz | Geleitwort Von Prof.Dr.Paul Ramdohr | Bildteil 115 Farbtafeln | Mit 148 Abbildungen | Von Arnold E.Fanck | Chr.Belser Verlag [Stuttgart, 1965; "Aus Der Welt Der Natur Band 13"]

Cementb: 255, [1]p; 148 col photos on one side of 115 p includ in pag with reverses of text. Pale yellow-olive unfin cloth, gold cover & spine titles. White dj, col photo on front; resume, vitas; other publ bks. 18.5 x 12.4 cm(7 1/4 x 4 7/8 in). Cut. DM 14.80. JSL.

Cont: series tp; tp; publ data; fwd; tab cont; introd; 13 chs; mineral index; index; biblio(last p, 12 entries) + photo credits.

Ramdohr notes that the previous larger & more expensive version is here replaced by a smaller edition which is also revised and textually enlarged. Most color illustrations repeated, but some mineral & gemstone photos added; some additions to mineralogy text, also the section on gemstones, p 210-35, now consists mainly of descriptions of numerous species & varieties, with which appear appropriate photos, all new. Rev W Lieber, *Der Aufschluss*, 16, 10, 1965, 262.

4422. -----1973, Engl edit, London

Collins Colour Guides | Minerals | And | Precious | Stones | Rudolf Metz | Translated from the German by | G.A.Wells | Illustrated with 150 colour photographs | A.E.Fanck | Collins | St.James's Place, London [1973]

Cementb: 250, [6 blank]p; same ill. Maroon, cloth-type paper over bds, gold lett spine. Red & black col dj; col photo; resume, other publ bks. 18.5 x 12.5 cm(7 1/4 x 4 7/8 in). Cut. £1.50. ISBN 0.00 212110-7. JSL.

Cont: 1/2tp; tp; publ data; fwd; tab cont; introd; 13 chs; gemstone descriptions; min list; 6 blank p. Omits index & biblio.

4423. -----1974, Engl, New York

Hippocrene Color Guides | Gems And Minerals | In Color | Rudolf Metz | Translated from the German by | G.A.Wells | Illustrated with 150 color photographs | A.E.Fanck | [logo] | Hippocrene | Books, Inc. [NY, 1974]

Cementb: 255, [1 blank]p; same ill, same cloth, gold lett spine, same dj, etc. 18.3 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. $6.95. LC 74-8194. JSL.

Cont: same but biblio(p 255) & index restored. Rev *G & G*, 14, 12, 1974-75, 375-6.

4424. -----1965 Fundstellen von Edelsteinen und frühere Edelsteinschleiferei im Schwarzwald. *Der Aufschluss*, 16, 7/8, 1965, 147-206, 44 ill(maps, reprods of old ill,etc). Biblio 54 entries. JSL. Repeats much of the material in his earlier treatise above.

4425. METZSCH, K M VON

Schmuck und Geschmeide [underlined by wavy rule] | der | Deutschen Frau. | [orn rule] | Studien und praktische Winke | von | K.M.von Metzsch. | [orn rule] | Leipzig 1900 | Verlag von Wilhelm Diebener.

8°: 84 p; ca 60 photos & line drawings in text and as ch orns. Pale pink wrap, title & oval photo of Kaiserin on cover; logo back cover; advert inside front cover. 21.7 x 14.6 cm(8 1/2 x 5 3/4 in). Uncut. USGS Kunz Coll.

Cont: tp; publ data; tab cont; 12 chs.

Ornaments & jewelry of the German woman, illustrated largely by items of jewelry executed in the Jugendstil or Art Nouveau manner. Ch 7, 42-7, on pearls, ch 8, 48-53, on ruby, emerald, and sapphire, ch 9, 54-7, turquoise and opal, ch 11, 64-6, lucky stones of the year.

MEUNIER, ÉTIENNE STANISLAS(1843-1925)

Fr mineralogist; DSc Paris 1869, as student of Daubrée; prof geol Mus d'hist nat Paris. *Notice sur les travaux scientifique*, etc, Lille: Imprimerie Danel, 1890, 55 p. Pogg 3, 4, 5; 839, 6, 1712.

4426. -----1893 Recherches minéralogiques sur les gisements diamantifères de l'Afrique Australe. *Bull Soc d'hist nat d'Autun*, 6, 1893, 153-202, 2 col litho pls; also sep, Paris: Imprimerie de Jussieu Pére, 1893, 48 p, 2 pls.JSL. Examinations of kimberlite "blue ground" and "yellow ground" from pipe deposits, mineralogy, col thin section plates; it is shown that the yellow ground is merely weathered blue ground.

4427. MEUNIER, *Madame* STANISLAS

Bibliothèque | Des Écoles Et Des Familles | [orn rule] | Le | Monde Mineral | Par | M^me^ Stanislas Meunier | [orn rule] | Paris | Libraire Hachette Et C^ie^ | 79, Boulevard Saint-Germain, 79 | 1883 | Droits de propriété et de traduction réservés

8°: 222, [2 blank]p; 39 wood engrav(18 fullp). Elaborate gilt floral decoration of sides(red, leather-like paper); pale gray endp. 21.8 x 13.5 cm(8 5/8 x 9 3/8 in).

Cont: 1/2tp; front; tp; introd; 26 chs; tab cont; blank pages.

Popular treatise on the economic minerals, metals, stones, phosphate, salts, and combustibles. The stones section includes Ch 10, 90-110, and Ch 11, 111-120, on gemstones, with both covering the usual valuable stones as well as the less valuable, eg, agate, opal, feldspars, jade, lapis, malachite, fluorite, and obsidian. Illustrations: open-pit diamond mine in Panna, India(later redrawn & used by Bauer in his Edelsteinkunde), 2 views of South African diamond mines, and the frontispiece illustrations of a convoy for Brazilian diamonds. A number of the striking illustrations have appeared in later geological treatises.

4428. MEYER, A B Königliches Ethnographisches Museum zu Dresden. II. und III. Jadeït- und Nephrit-Objecte. Leipzig: A Naumann und Schröder, 1882-83. A Amerika und Europa. Large folio: 36 p text, 2 photo pls(1 col), B Asien, Oceanien, Afrika. 1883. Large folio: 33 p text, 4 photo pls. "Herausgegeben mit Unterstützung der Generaldirection der Königlichen Sammlungen für Kunst und Wissenschaft zu Dresden von Dr A B Meyer, Director des Königl zoologischen und anthropologisch-ethnographischen Museums zu Dresden." Not seen.

4429. ----- 1883

Die | Nephritfrage | Kein Ethnologisches Problem. | [rule] | Vortrag | Gehalten Zu Dresden Im März 1883 | Von | A.B.Meyer. |...[2 lines quot]...| [rule] | Berlin | R.Friedländer & Sohn | 1883.

8°: 24 p. V pale gray print wrap, cover title. 25.3 x 17.3 cm(10 x 6 3/4 in). Uncut. JSL.

Classic paper: Meyer completely demolishes the theory embodied in the so-called "Nephritfrage" or "jade question," to the effect that worked jades in Europe & America could only have been made from jade imported from Asia either as raw jade or even as worked objects. This view received past support because no local deposits were found from which natives of Switzerland, Mexico, Alaska, and Canada, could have obtained the necessary raw material. To archeologists and ethnologists the idea of extended land-sea routes, like those later proved for amber trade between the Baltic and Mediterranean regions, opened exciting vistas for speculation and the possibility of further tracing migrations of people with attendant transfers of languages, customs, art, etc. For these reasons, the "jade question" died a reluctant death, but the present paper, perhaps more than any other, pronounced the last rites. Meyer closely examines the jade varieties from known sources, and for Europe at least, pointed to recent discoveries of jade pebbles in alluvia and discovery of in situ deposits of raw jade as making the material easily available to prehistoric inhabitants. The chief proponent of the jade question, Heinrich Fischer, is rebutted in all points in very skilfull fashion. In his rebuttal, Meyer also introduces much ancillary matter on jade which makes this an excellent short treatise on the stone in general. This article was translated into English for *American Anthropologist*, 1, 1888, 231-42, and reprinted(without acknowledgment) in *Bull of the Friends of Jade*, 4, Fall, 1985, 1986. Consult also Meyer's "Ein weiterer Beitrag zur Nephritfrage," *Mitt Anthropol Ges Wien*, 15, 1885, a separate of 12 pages in which he marshals more discoveries and analyses of jades from European sources.

4430. -----1884 Über Nephrit und ähnliches Material aus Alaska. *XXI Jb Vereins f Erdkunde Dresden*, 1884, 1-21. Also separate: 8°, centersewn, 21, [3 blank]p; 22.3 x 14 cm(8 3/4 x 5 1/2 in). JSL. Worked and raw nephrites from Alaska, obtained by various explorers & visitors from the natives, appear to confirm Meyer's view that the material is obtained locally and was not imported via the suggested Siberia-Alaska route from Asia. One of the explorers reported that natives told him of deposits of nephrite at some unspecified place in the extreme NW portion of Alaska(probably the Kobuk River deposits). Substantial parts of this paper were translated & quoted by G M Dawson in his "Note on the occurrence of jade in British Columbia, etc." *Canad Rec Sci*, 1887, which see.

4431. -----1891 Neue Beiträge zur Kenntniss des Nephrite und Jadeite. *Abhandl u Ber Königl Zool u Anthropol-Ethnogr Mus Dresden*, 1890-91, 1, 42 p, 2 tissued photo pls showing worked jade objects; print wrap, cover title, ca 33 x 25.5 cm(13 x 10 in). 1 So-called nephrite from Iona, Hebrides is serpentine. 2 Identified jadeite specimens from St Marcel, Val d'Aosta, and Ouchy, Lausanne. 3 Worked jadeites/nephrites from southern Tyrol made from local materials. 4 Jadeite objects found in many places in Italy but nephrites only from Calabria. 5 Sicilian nephrite objects, characterized by lack of schistosity and chlorite content, suggest a local source. 6 Nephrite/jadeite objects from Asia Minor probably made from local materials. 7 Local sources also likely for worked nephrites of Chukchi Peninsula & Japan.

4432. -----1903

Abhandlungen und Berichte des Königlichen Zoologischen und Anthropologisch- | Ethnographischen Museums zu Dresden Bd. X 1902/3 Nr.4 | [rule] | Nr.4 | Zur Nephritfrage | (Neu Guinea, Jordansmühl u.a., Alpen | Bibliographisches) | Von | Dr.A.B.Meyer | Director des Museums | Mit zwei Tafeln und einer Abbildung | [logo] | Verlag von R.Friedländer & Sohn in Berlin | 1903

4°: 32 p, 2 photo pls with tissues. Pale gray-green print wrap; adverts. 33.7 x 26.5 cm(13 1/4 x 10 1/2 in). Uncut. USGS Kunz Coll.

Cont: tp; tab cont; index of objects; text; biblio(p 24-32, ca 100 entries); pls; pls explan; pls.

4433. MEYER, CAROLYN & WEXLER, JEROME

From Stones | to Gems | to Jewelry | Rock | Tumbling | by Carolyn Meyer | with Jerome Wexler | 90 Photographs by Jerome Wexler | William Morrow and Company | New York 1975

16°: 96 p; 93 photos. Bright green paper over bds, black spine title; black dj with b&w photo; title white, green & orange; other Meyer bks back cover; resume, vitas. 23.4 x 16.5 cm(9 1/4 x 6 1/2 in). Cut. LC 74-22346; ISBN 0-688-22022-3; library binding: 0-688-32022-8.

Cont: 1/2tp; other author bks; tp; publ data; tab cont; introd; 7 chs; index.

Simple, clear instructions for mechanical smoothing & polishing of gem-materials into baroque gems suitable for mounting in inexpensive jewelry.

MEYER, HENRY O A (1937-)

Brit & USA geoscientist; BSc & PhD London U; to Carnegie Geophysical Lab, Wash DC 1966; to NASA 1969 as research assoc; to Purdue U 1971-.

4434. -----1976 Kimberlites of the continental United States, a review. *J Geol*, 84, 4, 377-403. Not seen.

4435. -----1982 Mineral inclusions in natural diamond. *International Gemological Symposium Proc 1982*, D M Eash, edit, Gem Inst Amer, Santa Monica, 1982, 445-65, 8 tab, 11 fig, over 100 ref. The many species found in the kimberlites can be divided into ultramafic and eclogitic suites, and subdivided according to time of formation in relation to host diamond; genetic environmental conditions are discussed.

4436. MEYER, HENRY O A & BOYD, F R Composition and origin of crystalline inclusions in natural diamonds. *Geochim et Cosmochim Acta*, 36, 1972, 1255-73, 6 fig, 7 tab; also sep issued in print wrap. Examined inclusions in specimens from Africa, Venezuela, Thailand; significance in respect to origin of diamond & nature of environment during formation.

4437. MEYER, HENRY O A & TSAI, HSIAO-MING

The nature and significance of mineral inclusions in natural diamond: a review. *Minerals Science & Engineering*, 8, 4, 1976, 242-61, 18 fig(11 col photos), 12 tab, 85 ref. Reviews early determinations of inclusions in diamonds and speculations as to their significance, then turns to modern investigations & results. Concludes: origin at depth is confirmed; minerals fall into the two suites typical of eclogites and ultramafics. Color photos of inclusions. A translation into German, with additional text & illustrations by E Gübelin et al, appeared in *Zs Dt Gemm Ges*, 2, 1978, 61-101.

4438. MEYER, HENRY O A, et al Prairie Creek kimberlite, Murfreesboro, Pike County, Arkansas. *Internat Kimberlite Conf, 2nd Field Guide*, Santa Fe, New Mexico, 14 p. Not seen.

4439. MEYER, W G Report... upon the Brazilian diamond field: the diamond fields of Brazil, p 1-95, London, 1902. Not seen: from Iglesias. A dealer's catalog of 1970 gave what may be the same work as "The diamond fields of Brazil. A paperbound pamphlet... 40 pp, 1904." Not seen.

4440. MEYERS, THEODORE RALPH(1902-)

New Hampshire Minerals And Mines | a report to the | New Hampshire State Planning And | Development Commission | By | T.R.Meyers | Special Technical Assistant | Research and Planning Division | [orn] | Published by the | State Planning and Development Commission | Concord, New Hampshire | 1941

Centerstapled: 49 p, fold index map: 67.9 x 49.5 cm(27 1/2 x 16 in) in pocket, localities in red. Pale gray wrap, title & small state map on cover in brownish-red. 22.9 x 15.1 cm(9 x 6 in). Cut. JSL. LC 41-52484.

Lists minerals, geographical distribution, mines, biblio(p 43-8, 91 entries), and sources further information; gem localities included.

4441. MEYERS, T R & STEWART, GLENN W

The Geology | of | New Hampshire | Part III - Minerals and Mines | By | T.R.Meyers | and | Glenn W.Stewart | Published by the | State Planning and Development Commission | Concord, New Hampshire | First Printing 1956 | Second Printing 1959 | Third Printing 1964 | New Hampshire Division of Economic Development

Edgestapled: 107, [1]p; fold index map: 56 x 50.6 cm(26 x 20 in) in pocket, localities in red. Thick white wrap, cover title & sketch of hammers. 22.9 x 15.3 cm(9 x 6 in). Cut. JSL.

Describes features of principal mineral groups, geographical distribution, summarizes the state mineral industries, provides a table of localities of special interest to collectors. Biblio, p 87-105, 208 entries and with further sources of information. Includes gemstones.

4442. MEYN, T Der Bernstein der norddeutschen Ebene auf 2, 3, 4, 5 und 6 Lagerstätte. *Zs dt Geol Ges*, 28, 1876, 181-98. Not seen.

MICHAEL OF GREECE, *Prince*(1939-)

B Rome to Greek roy family; grad Inst Political Sci Paris U; diplomat Greek govt; archeologist, author of several biogr & hist works.

4443. -----1983 Crown jewels of Europe. London: Alexandria Press, History Unlimited, 1983. Not seen.

4444. -----1983, New York edit

Prince Michael of Greece | Crown Jewels | of Europe | [logo] | Harper & Row, Publishers, New York | Cambridge, Philadelphia, San Francisco, London | Mexico City, São Paulo, Sydney [1983]

8°: 144 p; 143 photos(104 in col; Fig 1, in col, is front). Black paper over rounded-edge bds; gilt spine title & logo; dk terra cotta endp. Col dj, flap resume, vita. 27.9 x 21.4 cm(11 x 8 3/8 in). Cut. LC 83-47541; ISBN 0-06-015201-X. $19.95. JSL.

Cont: 1/2tp; front; tp; ackn & publ data; tab cont; introd; text; photo sources & ackn; index.

Attractive & informative, splendid photographs, many quite unusual and others never before published. Of special interest: illustrations & descriptions of notable precious gems, eg, Peregrina pearl, Mancini pearls, and the remarkable part-black, part-white Palatinate pearl, also the La Bella hyacinth of 416 carats, Dresden Green, Regent, and Sancy diamonds, not to mention the Cullinans of the British crown jewels, nor the Hope, Orloff, and a replica of the original Koh-i-Noor. There is also an illustration of a necklace that incorporates numerous diamonds originally in the famous Marie Antoinette necklace. Unfortunately, few dimensions of any kind are given for depicted objects, nor is there a bibliography. Rev Neil Letson, *G & G*, 207 1, 1984, 51, pointing out numerous mistakes, admiring the illustrations, but unfairly & unjustifiably condemning the text.

MICHAELIS, G, see GAFFAREL, J, 1676, 1706

4445. MICHEELSEN, HARRY

The Structure of Dark Flint | from | Stevns, Denmark | By | Harry Micheelsen | København 1966 [priv publ reprint from *Med Dansk Geol For*, København, 16, 1966, 285-368, 14 pls, 31 fig]

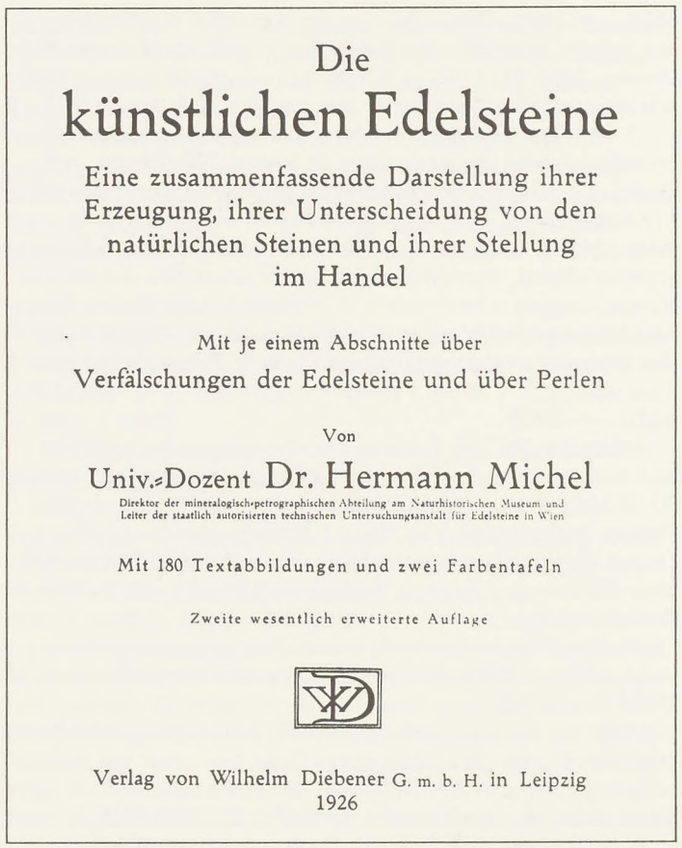
8°: [2]p + 0 285-368. Pale blue print wrap, cover title. 24.6 x 16.6 cm(9 3/4 x 6 1/2 in). Cut. JSL.

Utilizes optical/physical property techniques, and X-ray diffraction to determine size & nature of quartz particles which make up the flint. A hypothesis of genesis is advanced. Biblio p 367-8, 53 entries; plates depict photomicrographs of surface features, granular structure, etc, also X-ray diffraction patterns.

4446. MICHEL, HENRI Les jades astronomiques chinois; une hypothèse sur leur usage. *Bull Mus Roy d'Art et d'Hist*, Bruxelles, nos 1-3, 1947, 31-38; at least seven articles on this theme were subsequently published in various journals. Not seen; from Yang 1684, 1685-91.

4447. -----1959

Cristal De Roche | Et | Cristalliers | Par | Henri Michel | Crystal poli dessus le tour |...[5 more lines of quot]...| Rémi Belleau | (1528- 1577) | (Les amours | et nouvel eschanges | des pierres précieuses). | [rule] | Impression décidée le 3 decembre 1959. | [rule] | Beaux-Arts. - Tome XI, fasc.3.


Die
künstlichen Edelsteine
Eine zusammenfassende Darstellung ihrer Erzeugung, ihrer Unterscheidung von den natürlichen Steinen und ihrer Stellung im Handel
Mit je einem Abschnitte über
Verfälschungen der Edelsteine und über Perlen
Von
Univ.-Dozent Dr. Hermann Michel
Direktor der mineralogisch-petrographischen Abteilung am Naturhistorischen Museum und Leiter der staatlich autorisierten technischen Untersuchungsanstalt für Edelsteine in Wien
Mit 180 Textabbildungen und zwei Farbentafeln
Zweite wesentlich erweiterte Auflage
Verlag von Wilhelm Diebener G. m. b. H. in Leipzig
1926

4449. The standard reference to synthetic and imitation gemstones and their identification by noted Austrian gemologist H Michel

Wrapper: "Académie royale de Belgique, Classe Des Beaux-Arts, Mémoires, Collection in-8°. - Tome XI, Fascicule 3, Bruxelles, Palais Des Académies, Rue Ducale, 1, N° 1706, 1960. [& equivalent in Flemish]"

8°: 52 p + [2]p + blank f; 9 fig, 28 photos recto on 24 thick paper f(Pls I-XXIV) bound-in after text. Pale blue wrap, title, etc, on cover, in Fr & Flemish, central logo; other publ back cover. 25.2 x 16.5 cm(10 x 6 1/2 in). Uncut. Fr 250. JSL.

Cont: tp; 7 chs; append; biblio(p 50-52, 33 entries); pls list; tab cont; blank f.; pls.

This is the first important study to appear in modern times on rock crystal as used for ornamental purposes, its lapidary treatment,manufacture of rock crystal ornaments, containers, and table decorations. Two short initial chapters discuss the mineralogy of quartz and its varieties and the means of identification, the author recommending use of a polariscope. The third chapter treats sources of large masses used in carved objects. The fourth chapter discusses values while the fifth chapter, a long one, quotes Theophilus: *Schedula Diversarum Artium* and Boodt's *Le Parfaict Ioaillier* in connection with techniques used by lapidaries for shaping and finishing stones, including rock crystal. The next chapter presents a historical review of known masters of the art, while Chapter seven describes and discusses the various objects made from rock crystal. Excellent photographs depict raw rock crystal and many types of objects carved therefrom, many being in the collection of the author.

MICHEL, HERMANN WILHELM(1888-)

Austrian mineralogist, petrographer, inventor, gemologist; b Vienna; prof Vienna U; to State Nat Hist Mus in Vienna in 1919; director of govt gem testing lab; prolific writer. Pogg 6, 1725-6.

4448. -----1914

Die | künstlichen Edelsteine | ihre Erzeugung, ihre Unterscheidung | von den natürlichen und ihre Stellung | im Handel. | Von | Dr.Hermann Michel | Leiter der technischen Untersuchungsanstalt für Edelsteine und | Assistent am mineralogischen Universitätsinstitute in Wien. | Mit 33 Textfiguren. | Verlag von Wilhelm Diebener in Leipzig 1914.

8°: 109, [3]p; 33 fig. Tan spine cloth, dk yellow side cloth; spine & cover titles. 24.7 x 18.8 cm(9 3/4 x 7 3/8 in). Cut. RM 4.50. LC 15-13385.

Cont: tp; publ data; fwd; tab cont; 4 chs; explan of refs cited; blank p; advert; blank p.

First edition of a work which became the standard reference on synthetic gemstones. It summarizes extant knowledge on all methods synthesis in the first chapter, with much more detail being furnished in the second chapter wherein descriptions of materials are provided for those that are (a) commercially important gemstones, (b) minerals whose syntheses are of scientific interest only, and (c) imitations of turquoise and cordierite. Commercially important stones include corundums and spinels primarily, and lesser stones as diamond, quartz, opal, alexandrite, emerald, phenakite, euclase, topaz, and spodumene, it being understood that many of these are "potentially" important only. The third chapter treats the microscopical methods of discrimination of natural vs synthetic gemstones, with much attention paid to the coloration of synthetic gemstones, origins of same, and appearances of gemstones after irradiation by radium, X-rays, cathode rays and ultraviolet light. Much of the information in this chapter provided a firm basis for identification of synthetic gemstones and the avoidance of disastrous loss of confidence in gemstones as a result of marketing of synthetic counterparts. Such matters are the substance of Michel's discussion in the final chapter as well as associated problems of effect of synthetics on the price structure of natural stones, nomenclature, and export of synthetics to the Ceylon market. There is no separate bibliography, references being provided in the text.

4449. -----1926, 2nd edit

Die | künstlichen Edelsteine | Eine zusammenfassende Darstellung ihrer | Erzeugung, ihrer Unterscheidung von den | natürlichen Steinen und ihrer Stellung | im Handel | Mit je einem Abschnitte über | Verfälschungen der Edelsteine und über Perlen | Von | Univ.=Dozent Dr.Hermann Michel | Direktor der mineralogisch=petrographischen Abteilung am Naturhistorischen Museum und | Leiter der staatlich autorisierten technischen Untersuchunganstalt für Edelsteine in Wien | Mit 180 Textabbildungen und zwei Farbentafeln | Zweite wesentlich erweiterte Auflage | [logo] | Verlag von Wilhelm Diebener G.m.b.H. in Leipzig | 1926

8°: VIII, 477, [3 advert]p; 180 fig, many tab, 2 col pls of cut & boule-form synthetic stones tip-in ahead of titleleaf. Pale brown cloth, brown lett cover & spine; brown endp. Te stained brown. 24.5 x 18.6 cm (9 5/8 x 7 3/8 in). Cut. RM 25.-(cloth); RM 15.-(1/2-cloth, not seen). LC 27-2474. JSL.

Cont: 1/2tp; 2 pls; tp; publ data; fwds(2); tab cont & explan of lit citations; 7 chs; persons/subj index; advert.

Expanded, re-worked edition bearing little resemblance to its predecessor in respect to quantity of information and illustrations. New matter: formation of minerals in nature, more information on synthesis methods, new synthetic varieties, enlarged discussion of falsifications, imitations, and general problem of detection. In this connection, Ch 3, on discrimination, now has become virtually a treatise on the principles and practise of gemological identification; it provides one of the earliest useful routines for the gemologist to follow, explaining the methods and their value, tests, gives examples of real identifications, a review of useful apparatus & accessories, and tables for identification purposes. The final chapter on pearls is much expanded also. Rev W F Foshag, *Amer Min*, 12, 6, 1927, 263.

4450. -----1915

Vorträge | des | Vereines zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien. | 55. Jahrgang. - Heft 4. | [ornrule] | Künstliche Edelsteine. | [orn rule] | Vortrag, gehalten den 11. November 1914 | von | Dr.Hermann Michel. | Mit einer Abbildung im Texte. | [rule] | Wien, 1915. | Selbstverlag des Vereines zur Verbreitung naturwissenschaftlicher | Kenntnisse. | In Kommission bei Wilhelm Braumüller & Sohn. | Druck von Adolf Holzhausen in Wien.

8°: 40 p; 1 fig. Tan-yellow print wrap. 18.8 x 11.8 cm(7 3/8 x 4 5/8 in). Uncut. USGS Kunz Coll, GS 34-734.

A useful review of the progress made in the synthesis of the corundums, with a section on the distinctions among synthetic and natural stones and the commercial importance of synthetics. There are remarks on spinels, diamond(extended discussion of previous synthesis attempts and the carbon phase-diagram), quartz, zircon, chrysoberyl, emerald and the turquoise.

4451.-----1926 Nachahmungen und Verfälschungen der Edelstelne und Perlen und ihre Erkennung, etc. Graz; Ulr.Moser, 1926, vii, 136 p, 73 text ills. "Wissenschaftliches Veröffentlichungen des Kriminalistischen Labratoriums der Polizeidirektion, Wien." Not seen, from *Min Abstr*; BM(NH) Cat.

4452.-----1927

Vorträge | des | Vereines zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien. | 67.Jahrgang. | [orn rule] | Neues von Edelsteinen | [orn rule] | Vortrag, gehalten am 30.Marz 1927 | von | H.Michel. | Wien, 1927. | [rule] | Druck von Adolf Holzhausens Nfg. in Wien.

12°: [3]p + p 32-58. Pale brown, thick, textured paper wrap, cover title. 18 x 11.2 cm(7 x 4 3/8 in). Cut. JSL.

Brief remarks on new developments in mining gemstones, new species or varieties, improvements in manufacture of synthetic gemstones, and refinements in methods of gem testing. Topics include: diamond deposits, South Africa, exploitation of pipes, De Beers cartel, world production of diamond, blue zircons from Thailand, much on zircon properties and coloration by irradiation and other means, Brazilian emerald, emerald synthesis, world production of emerald, recent improvements in corundum synthesis.

4453.-----1929

The | Pocket=Book | for | Jewelers | Lapidaries | Gem & Pearl | Dealers | By | Dr.Hermann Michel | Vienna | Part | [-II] | 1929 [1928, sic] | [rule] | Gustave L.Herz C.E., New

York, Vienna | 1.Burgring 1 | Editor [title enclosed in orn frame]

The second part reads "...Part II | Plates & Tables | 1925 | rule | Gustave L.Herz C.E., New York, Vienna | Editor"

Loose-leaf notebook: I: blank f + [2], 130 p. With 68 + 65 + 1 unnumb figs + dk purple stiff paper separation leaf. II: [5], [1 blank], 68, [2 blank]p; pag inconsistent, with result that several pages are unaccounted for. 18 pls(8 in col), 1 fig, tabs. The parts are "sealed" with red cord & small pressed seal made of lead. Black, limp leatherette covers, 3 rings, gold cover title in orn frame. 18.5 x 10.9 cm(7 1/4 x 5 1/2 in). Ae rounded. $8.50. JSL.

While advantageous in some respects, the use of loose-leaf poses more problems than it solves, the book being awkward to handle and the leaves continually jamming; some owners disassembled their copies with the result that the parts were separated and lost. In essence, this book is a textbook of identification for gemstones and pearls, the first part with sections on the natural history of pearls and their parent mollusks, including cultured pearls, and followed by a large section on gemstones. An appendix to this first part describes special identification instrumentation and uses of same. Part II largely goes over the same ground already covered in the first part but provides detailed instructions for examining pearls through their drill holes, using colored plates to show expected appearances. There are also instructions and a colored plate for judging translucency of pearls. However, most of Part II is devoted to the examination of mineral gem materials and includes an extensive set of color plates showing dichroic colors, a large number of photographs of inclusions, and augmented with property tables.

While there is a great deal of extremely valuable information in this remarkable book, there is duplication of matter, no index, and a generally confused presentation that suggests the author put down his thoughts and inserted illustrations without much regard for overall consistency. One of the notable defects is the insertion throughout of special instruments designed by Michel and manufactured and sold by the Gustave L.Herz company, all of which, while most ingenious and unique, were sold in such small numbers that any of them are now rare collector's items. This state of affairs is remarked in the review in *G & G*, 1, 4, 1934, 121, "much of its material which should be of value is worthless because it applies to special instruments. These... were formerly furnished solely by the publisher." On the other hand, the use of the microscope is stressed in both parts, and supports E Gübelin's statement in his dedication of *Innenwelt der Edelsteine*, 1973, that Michel is "the father of gemmology," because he was the first to recognize the diagnostic importance of inclusions in gemstones. Because of its limitations, Michel's book failed to sell many copies and it is now rare.

4454.-----1940 Perlen und Kulturperlen. Leipzig: Diebener, 1940, 256 p, 134 pls. Not seen, cited by H Strunz & G Wachsen, 1978, p 395.

MICHELE, V DE, see CONCI, C

4455. MICHELE, VICENZO DE & ZEZZA, UGO Le pietre ornamentali di Roma antica della collezione Borromeo nel Museo Civico Di Storia Naturale Di Milano. *Atti Soc Ital Sci Nat Mus Civ Storia Nat Milano*, 120, 1/2, 1979, 67-110, 4 text fig, 16 col photos. JSL. Describes & identifies the ornamental stones in the Vitaliano & Giberto Borromeo collection presented to the Civic Museum of Natural History, Milan, in 1913. The collection consists of 797 polished slabs, out of an original 828, that are "essentially constituted of albastrites, breccias, lumachelles, granites, porphyries and other volcanic stones" while "marble and cipolin samples are scanty." The color illustrations depict 16 attractive examples.

MICHELL, LEWIS LOYD(1842-1928)

South Afr banker & politician; gen mgr Standard Bank 1895-1902; close friend of Rhodes from ca 1885; chief director Rhodes Trust.

4456. -----1910

The Life Of The Rt.Hon. | Cecil John Rhodes | 1853-1902 | By | The Honourable Sir Lewis Michell | Member Of The Executive Council. Cape Colony | Volume I [-II] | London | Edward Arnold | 1910 | All rights reserved

8°:I:xiv, [1], [1 blank], 342, [2 blank], 20 advert p; photograv front portr pl of Rhodes, tissued, tip-in; 2 other photo pls tip-in. Maroon cloth, blind horizontal rules on both covers; gold title & rules on spine. 22.5 x 14.5 cm(8 7/8 x 5 3/4 in). Uncut, untrimmed. JSL.

Cont: 1/2tp; front; tp; dedic; pref; tab cont; ill list; 22 chs; append; blank f; advert.

II: x, [1], [1 blank], 342, [2 blank], 20 advert p; photograv port pl with tissue tip-in as front; 2 other photo pls tip-in; 1 text fig. Errata slip tip-in p [1].

Cont: 1/2tp; front; tp; tab cont; ill list; chs 23-39; append; index to both vols; blank f; advert.

One of the best and most complete biographies of Rhodes written by a close friend of many years. The diamond industry historian will find most matter of interest confined to the first volume: ch 5, 37-58, "Early days on the diamond fields, 1872-74;" ch 6, 59-75, "Kimberley reminiscences, 1875-80;" ch 13, 177-88, "The diamond industry, 1884-88;" also a brief note on amalgamation of claims in ch 17 and a note on the formation of the syndicate in ch 19.

4457. -----1910, New York

The Life And Times | Of | The Right Honourable | Cecil John Rhodes | 1853-1902 | By | The Honourable Sir Lewis Michell | Member Of The Executive Council, Cape Colony | Volume I[-II] | [logo] | Mitchell Kennerley | New York And London | MCMX [1910]

8°:I: [6 blank], xiii, [1 blank], 359, [5 blank]p; front photograv pl tissued, tip-in(other pls omitted). Maroon cloth, blind horizontal rules front cover; gold lett, rules spine. Pale tan endp. 21.6 x 14.5 cm(8 1/2 x 5 3/4 in). Cut. Teg. JSL.

Cont: 3 blank f; 1/2tp; front; tp; publ data; pref; tab cont; 22 chs; append; 5 blank p.

II: x, 357, [1 blank]p; front photograv pl, etc(other pls omitted).

Cont: 1/2 tp; front; tp; publ data; tab cont; chs 23-39; append; index to both vols; blank pages.

4458. -----1912, London, "New Popular Edition"

The Life And Times Of | The Right Honourable | Cecil John Rhodes | 1853-1902 | By The Honourable | Sir Lewis Michell, C.V.O. | Member Of The Executive Council, Cape Colony | New Popular Edition | London | Edward Arnold | 1912 | [All rights reserved] [in one vol]

8°: xix, [1 blank], 419, [1 blank]p; front photograv portr pl with tissue tip-in + 4 photo pls tip-in; text fig. Cloth (not seen in this binding). Special presentation binding: pale blue calf, pale blue cloth sides; 5 raised bands, gold seal on cover, gold lett & seal on spine. Marbled endp. 19.7 x 12.9 cm(7 3/4 x 5 1/8 in). Aeg. JSL.

Cont: 1/2tp; front; tp; nref; pref to ist edit; tab cont; ill list; 34 chs; 2 append; index; blank p.

Omits much information of earlier version; a few dates corrected; most information on diamond & the industry retained.

4459. MICHIELSON, A De diamanteconomie, waarde, prijs, en conjunctuur. Antwerp: Christelijke Belgische Diamantwerkersbond, 1955. 143 p. On the diamond economy, values, prices, and prosperity. Not seen.

4460. MICHIGAN ORIENTAL ART SOCIETY Chinese jades: the great tradition. Exhibition sponsored jointly by Michigan Oriental Art Society and Cranbrook Institute of Science. [Detroit, Michigan Oriental Art Society, ca 1977.] 20 p, ill, print wrap, 23 cm; biblio p 20. $2.50. Not seen, from G M Born, 233-4. 4461.

4461. MIDDERIGH-BOKHORST, B

B.Midderigh-Bokhorst | Glans | En | Gloed | Uit Donkere Diepten | Illustraties In Samenwerking Met | J.J.Midderigh | Uitgave Van | Levensverzekeringmaatschappijen | Nillmij En Arnhem [1955; title in red & black]

8°: 83, [1] p,(p 1-2 blank); 18 glossy col ill cut-outs pasted to text f(6 large, 4 small, 8 in vertical strips); 25 text fig(many used as ch orns); 6 tab. Plasticized paper bds, dk green unfin cloth spine; front cover black with col ill & col lett; back cover white with small blacklogo. 26.5 x 19.5 cm(10 1/2 x 7 5/8 in). Cut. JSL.

Cont: blank f; 1/2tp; tp; introd; pref; text; biblio; publ data.

A handsome work, the title meaning "Glitter and glow out of the dark depths," and referring to the material on gemstones & minerals embodied therein, and written for popular consumption. M W Senstius, rev *Amer Min*, 41, 1956, 670 "the author, an accomplished artist, has produced a stimulating book for similar [rockhound] clubs in the Netherlands... she confined herself to the description, illustration and identification of precious and semi-precious stones. Their characteristics are introduced through informal conversations between an elderly jeweller and teen-age boys and girls, in the course of which many interesting anecdotes and stories about famous gems are told. An outstanding feature is the collection of illustrations accompanying the text. This comprises reproductions in colors of some three dozen mineral species and varieties of natural and cut specimens after original paintings by the author. Many of them are strikingly beautiful." Rev *J Gemm*, 5, 5, 1956, 273.

4462. -----1958(?), 3rd impress, actually a new edit

Title same, except the letters "N.V." precede the company name. 8°: 109, [1 blank], [1], [1 blank] p, (p 1-2 blank); 21 col ill; 41 fig. Same binding, same p size. JSL. Both introd & pref rewritten; orig text & ill same, ending on p 82; thereafter appear 3 new chs on pearls, with col ill & 8 fig, p 83-93, on amber with col ill & 2 fig, 94-99, and on coral, with col ill & 6 fig, 100-108; these additions in same style as before and blend in well.

4463. MIDDLEBROOK, J E Diamond industry of South Africa. Kimberley, 1892, 18 p. Not seen.

4464. MIDDLEMISS, CHARLES STEWART

Mineral Survey Reports | Jammu & Kashmir Government. | [rule] | Precious And Semi-Precious | Gemstones a Of | Jammu And Kashmir | By | C.S.Middlemiss, C.I.E., F.R.S., F.G.S., | Superintendent, Mineral Survey, His Highness' Government, | Jammu and Kashmir. | (with Plates 1 to 7). | [coat-of-arms] | Jammu | [rule] | Printed at The Ranbir Government Press - 5-1-88 - 300. | [rule] | 1931.

Edgestapled: [2], v, 58, v p; photo pl + 6 fold sketch maps & views, tip-in at end. Pale green, stiff paper wrap, cover title. 24.3 x 17 cm(9 5/3 x 6 3/4 in), Cut. JSL.

Cont: tp; pref; tab cont; ill list; introd; 5 sects; index; pls.

The only substantial scientific report on the gemstones of these Indian principalities, especially on the famous sapphires of Kashmir. The mines are located at Soomjam(Sumsam), Padar district, between 14,250 and 14,950 feet above sea level. Gives history of discovery & exploitation, mining career, names of companies & persons involved, the several deposits and their workings, geology, mineralogy, etc, and with notes on additional discoveries in the vicinity, notably a pegmatite body that yielded gem quality colored tourmaline. Statistics are provided in detail on gems cut from the sapphires in 1928 with values. Aside from this region, there are notes on pegmatite beryl deposits elsewhere. The plates consist of excellent sketch maps and views of the deposits with geology indicated and the position and extent of workings in alluvium and in situ at the sapphire mines. A rare paper.

4465. MIDDLEMISS, C S & PARSHAD, LALA JOTI

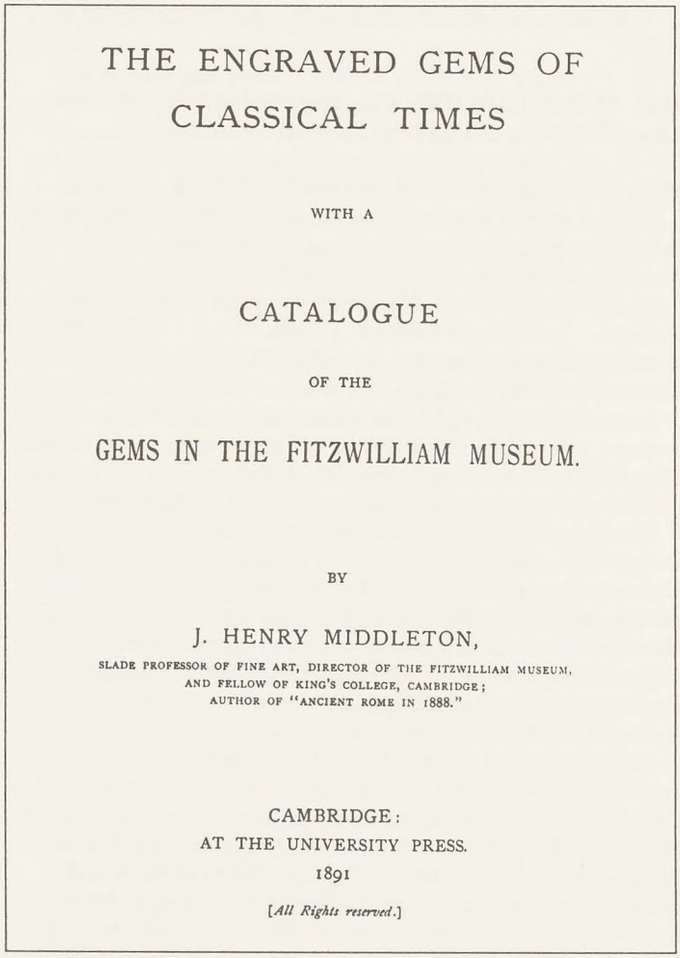
Note on the aquamarine mines of Daso on the Braldu River, Shigar Valley, Baltistan. By C.S.Middlemiss... Lala Joti Parshad, B.A., F.G.S., Mineral Survey of Jammu and Kashmir State. Offprint: *Rec Geol Survey India*, 49, pt 3, 1918, 161-72, Pls 6-10, pale red print wrap, 25.6 x 17.8 cm(10 1/8 x 7 in). Cut. The granitic pegmatite deposits were discovered in 1912 and are described in good geological and mineralogical detail with descriptions of minerals, especially the gem aquamarines. These appear on a good photo plate with others that show the mlne opencut and a view of the hillside outcrops as well as geological sketches.

MIDDLETON, JOHN HENRY(1846-1896)

Brit architect, archeologist; b York; grad Oxford U; adopted prof of architect after extensive travels but relinquished same 1885; Fellow Soc Antiquaries 1879; publ many papers on antiquities and considered "a pioneer of the serious and scientific study of Roman antiquities;" Slade Professor Cambridge U 1886; hon degrees from Cambridge, Oxford, Bologna; apptd dir Fitzwilliam Mus, Cambridge 1889. DNB.

4466. -----1891

The Engraved Gems Of | Classical Times | With A | Catalogue | Of The | Gems In The Fitzwilliam Museum. | By | J.Henry Middleton, | Slade Professor Of Fine Art, Director Of The Fitzwilliam Museum, | And Fellow Of King's College, Cambridge; | Author Of "Ancient Rome In 1888." | Cambridge: | At The University Press. | 1891 | [All Rights



THE ENGRAVED GEMS OF
CLASSICAL TIMES

WITH A

CATALOGUE

OF THE

GEMS IN THE FITZWILLIAM MUSEUM.

BY

J. HENRY MIDDLETON,

SLADE PROFESSOR OF FINE ART, DIRECTOR OF THE FITZWILLIAM MUSEUM,
AND FELLOW OF KING'S COLLEGE, CAMBRIDGE;
AUTHOR OF "ANCIENT ROME IN 1888."

CAMBRIDGE:
AT THE UNIVERSITY PRESS.
1891

[*All Rights reserved.*]

4466. Middleton's work on engraved gems provides both a fine introduction to the subject as well as a catalog to the collection in Fitzwilliam Museum, Cambridge

reserved.]

8°: xvi, 157, [1 blank], xxxvi, [1], [1 blank]p; 25 text fig; 2 photo pls in pale sepia with tissues, tip-in. Dk blue buckram, gold cover & spine titles, latter with rule & logo. 26.6 x 18 cm(10 1/2 x 7 1/3 in). Teg, fe & be untrinmed. LC 1-13786. JSL. Reprint of same date same but omits cover title; cloth smooth: ae trimmed, none gilt; omits pls tissues. JSL.

Cont: 1/2tp; print data; tp; print data; dedic; tab cont; pref; biblio (p xiii-xv, 27 entries); ill list; 12 chs; append tp; append(catalog); pls; index; advert; blank p.

Excellent, thorough, detailed - a standard work, much referred to by later authors. The text in two distinct parts, the first being a general treatise on engraved gems, and the second the descriptive catalog of the collection of 117 antique and 11 modern gems. The text begins with a discussion of archaic engraving, the flourishing of the art and its evidences in the Greek and Roman periods, types of gems, inscriptions, artist signatures, characteristics & clues as to authenticity, Middle Ages specimens, and gem materials. Middleton was especially concerned with detection of fakes and therefore provides much useful advice. The plates, of very good quality, depict only 37 gems. Consult C W King, *Antique Gems and Rings*, 2, 1872, 39-40 for comments on outstanding gems in the Leake collection, purchased by the Fitzwilliam Museum.

4467. -----1969, Chicago, facsimile

Ancient Gems | The Engraved Gems Of | Classical Times | By | J.Henry Middleton, | Slade Professor Of Fine Art, Director Of The Fitzwilliam Museum, | And Fellow Of King's College, Cambridge; | [vignette] | [logo] | Argonaut, Inc., Publishers | Chicago MCMLXIX ["Argonaut Library"]

8°: [4]p + p vii-xvi, 1-157 + [1 blank], [2]p + p[iiil-xxxvi; same text fig, but photo pls now combined on a single f following text. Black cloth, gold title & logo on spine. 22.9 x 15.3 cm(9 x 6 in). Cut. LC 67-29128. JSL.

Cont: ser tp + 1/2tp; tp; publ data; tab cont; dedic & pref; biblio as before; ill list; text; blank p; pls f; append; pl explan; index.

4468. -----1892

The | Lewis Collection | Of Gems And Rings | In The Possession Of | Corpus Christi College, Cambridge | With An | Introductory Essay On Ancient Gems | By | J.Henry Middleton, | Slade Professor Of Fine Art, Director Of The Fitzwilliam Museum, | And Fellow Of King's College, Cambridge; | Author Of "Ancient Rome in 1888," "The Engraved Gems Of Classical | Times, 1891," &c., &c. | London: | C.J.Clay And Sons, | Cambridge University Press Warehouse. | 1892 | [All Rights reserved.]

8°: [2 blank], 93, [1 blank]p; 24 fig. Dk blue buckram, gold title & Cambridge U logo on cover; gold lett spine with shield logo. 23.7 x 16.2 cm(9 3/8 x 6 3/8 in). Cut. Teg. LC 1-2008. JSL.

Cont: blank f; 1/2tp; print data; tp; print data; tab cont; ill lists; pref; introd essay; biblio(p 43-5, 31 annot entries); abstr of cat; cat.

The first part covers about the same ground as in his previous work, see above, but much less detail is supplied. The catalog itself lists and briefly describes gems in classes A to J, according to certain features as type, period, materials, etc, but does not provide(as above) details on size & sources. According to the author, footnote p 45, C W King materially assisted Mr Samuel Savage Lewis(1836-1891) in assembling this collection. Lewis, a fellow of Corpus Christi College, Cambridge, and its Librarian, keenly interested in antiquities and formed collections of coins, gems, vases, and books, all of which were left to the college upon his death(DNB).

4469. MIDDUP, C G

The Consolidated Diamond Mines | of South West Africa Limited | by | C.G.Middup | Dip.Min., Assoc. M.I.Min.E., M.C.M.M.S.| Editor of | Mine & Quarry | Engineering | Extracts from the July, August, September, October, November & December (1955) | issues of Mine & Quarry Engineering [wrap title only]

Edgestapled: [1 blank]p + p 266-7(July)...502-7(December) + 1 blank p. Each art with own title & numbered 1 to 6; 54 photos, 3 maps, 12 diagrs. Pale tan wrap, vertical rule in brown on cover with title in brown; press data back cover. 28.7 x 21.5 cm(11 1/4 x 8 1/2 in). Cut. JSL.

Excellent contemporary account, richly illustrated: history of the company, geology of deposit, notes on prospecting, mining

method, details on how deposits uncovered and diamondiferous gravels processed, and personnel problems.

MIELEITNER, K, see THEOPHRASTUS, 1922

MIETHE, ADOLF, see KRAEMER, HANS

4470. MIGNE, JACQUES PAUL(1800-1875) Fr Roman Cath priest; establ publ house in Paris for religious bks; publ 383 vols *Patrologiae Cursus Completus*, of which the *Patrologiae Latina*, vol 82, contains Isidore's *Etymologiae*, vol 171, Marbodus' *Liber lapidum*, edit by Bourassé, and vol 197, the works of Hildegard of Bingen, including her work on stones; see these under authors named.

MIGNE, J P, see EPIPHANIUS, 1858

MIKIMOTO, KOKICHI(1858-1954)

Japanese cultured-pearl merchant; developed commercial culture methods, initiating the industry in Japan. Life & accomplishments in R Eunson *The Pearl King*, 1955; see also biogr article *G & G*, 8, 4, 1954-55, 108-22.

4471. -----1907

Japanese | Culture Pearls | [rule] | A Successful Case Of | Science | Applied In Aid Of Nature | [rule] | K.Mikimoto | No.3, Ginza-Shichome, | Tokyo. | [rule] | 1907. [title in single-rule frame]

Centerstapled: [2], 25, [3]p; front photo, tissue; 22 photos(one fold), map. Col wrap, silvered oyster & seaweed in art nouveau design & lett on cover; hand-laid endp, watermarked, & pasted to wrap. 21.5 x 14 cm(8 1/2 x 5 1/2 in). JSL.

Handsome, well-illustrated brochure, perhaps the first to be issued in this form by the Mikimoto company. Provides brief comments on the natural history of pearl-bearing mollusks, pearl culture, history of the Japanese industry, the Mikimoto pearl farm, honors & prizes awarded, the "War Fan" decorated with cultured pearls, and advertisements in English & Japanese. Subsequently similar brochures were issued by the company as below.

4472. -----1911

Japanese | Culture Pearls | [rule] | A Successful Case | Of Science Applied | In Aid Of Nature | [rule] | K.Mikimoto | No.3, Ginza-Shichome, | Tokyo. | [rule] | 1911. [title in single-rule frame]

Centerstapled: [4], 26, [2 blank]p; front photo with tissue; 21 others, map. Pale gray, thick, textured paper wrap, title in pale yellow on cover. 21.6 x 14.5 cm(8 1/2 x 5 3/4 in). Cut. Wraps slightly overlap text. JSL.

4473. -----1920(?)

The Story | Of | The Pearl | A Successful Case | of Science in Aid | of Nature - the | Mikimoto Pearls | By | Mikimoto Pearl Store | Tokyo - Osaka - London [Tokyo, nd]

Centerstapled: [2 blank], 25, [1], [4 blank]p; 8 text photos, tab. V pale green paper wrap, blue-green title on covers; back cover logo. 18 x 10 cm(7 x 3 7/8 in). Cut. JSL.

Genesis of pearls, varieties, attempts at culture, history of the Mikimoto pearl, the Mikimoto pearl farm, methods of culture, sizes, and store addresses.

MIKHLAEV, G P, see ROZHKOV, I S, et al, 1963 & 1967

4474. MIKLASHEVSKII Opisanie Uralskikh izumrudnykh kopei i ikh okrestnostei. *Gornyi Zhurnal*, ch 3, 1362, p 1-57. On the Uralian emerald mines; not seen.

MILASCHOW, V A, see MILASHEV, V A

4475. MILASHEV, VLADIMIR ARKADEVICH

Ministerstvo Geologii SSSR | Nauchno-Proizvodstvennoe | Obyedinenie "Sermorgeo" | Nauchno-Issledovatelskiy Institut | Geologii Arktiki | [rule] | Trudy | Tom 176 | V.A.Milashev | Kimberlitovye | Provintsii | [logo] | Izdatelstvo "Nedra" | Leningradskoe Otdelenie | Leningrad · 1974

8°: 235, [5]p; 88 fig, 22 tab. Tan cloth, black panels on cover with silver lett & blind rules; black title on spine. 21.4 x 14.2 cm(8 1/2 x 5 5/8 in). 1 r, 88 k. 1,000 copies. JSL.

Cont: tp; abstr & publ data; introd; 10 chs; summ; biblio(p 225-36, 203 entries); tab cont; publ data; other publ bks.

Detailed study of kimberlite bodies throughout the world according to occurrences in various platforms, with most attention paid to those of South Africa, but also in India, the Americas, Siberia, etc. Describes composition, morphology, etc; many diagrams & cross-sections. Intrusions correlated on basis of plate tectonics & sources of ultrabasic ejecta.

4476. -----1976 Almaz, legendy i deystvitelnost. [Moskva]: Izdatelstvo "Nedra," 1976. Not seen, but see below.

4477. -----1979, Ger transl of above

[double rule] | Diamanten | Legende | und Wirklichkeit | Von Wladimir A.Milaschow | Übersetzer und Bearbeiter der deutschsprachigen Ausgabe: | Dr.rer.nat.Wolfgang Schmidt | Mit 18 Bildern, 10 Farbfotos und | 12 Schwarzweissfotos im Tafelteil und 11 Tabellen | [logo] | VEB Deutscher Verlag für Grundstoff industrie | Leipzig | [rule] [1.Auflage, 1979] [title in black & pale blue]

8°: 142, [2]p; 18 fig, 11 tab, 22 photos(10 col) on 8 glossy f bound-in & not counted in pag. Blue cloth, white title on cover & spine; dk red endp. White dj, col phot on front, another b&w on back, resume. 18.9 x 11.9 cm (7 1/2 x 4 5/8 in). Cut. DDR Mk 9. JSL.

Cont: 1/2tp; tp; publ data & resume; fwd; tab cont; introd; text; ackn.

After a brief discussion of the nature of diamond and its enormous value in industry, etc, the text discusses old legends concerning the diamond, apparently based solely on Pliny's comments in his *Natural History*, after which are remarks on the chemical & physical properties of diamond, an old attempt at synthesis(Moissan) with of course a statement that it was more or less paralleled by work of a certain K D Chruschov, new syntheses, the Russian synthetic industry, and finally, a large section devoted to the character and origin of diamond deposits, genesis of the diamond, diamond-bearing rocks as kimberlites, prospecting, mining, and recovery of diamonds. There are no references; text figures are good but color illustrations are poor.

4478. MILES, P L

Diamonds | And | Precious Stones, | Their History, Distinctive Properties, And A | Description Of The Most Famous Gems, | With Other Useful Information | Appertaining To Them, | By | P.L.Miles, | Manufacturing Jeweler, | 314 Euclid

Avenue, Cleveland, Ohio. | [rule] | Cleveland: | Mount & Carroll, Printers And Stationers, | 145 Seneca Street. | 1879.

4°: 56 p; 28 fig; ch orns. Pale brownish-gray wrap, elaborate dec title on cover in Victorian style; similar logo & date of 1819 back cover; view of store inside front cover; advert inside back cover. 22.3 x 14.6 cm (8 3/4 x 5 3/4 in). Cut. Text paper pale green; all text lett enclosed in double-rule frames. USGS Kunz Coll, GS 34-861. Cont: tp; introd; quot; text.

Attractive brochure-catalog containing a hodge-podge of interesting information: scientific data, curious lore, anecdotes, famous diamonds, gold, other gemstones, Madame Bonaparte's jewels, rubies, more lore, the carat weight, gem settings, diamond cutting, pearls, pearl fisheries of Ohio, with about half of the illustrations being cuts of famous diamonds while the others are jewelry items sold by the store.

4479. MILIOTTI, ALPHONSE

Description | D'Une | Collection | De | Pierres Gravées | Qui Se Trouvent | Au | Cabinet Imperial | De | St.Petersbourg | Par | Alphonse Miliotti | Antiquare. | Tome I. [all publ] | [double-rule] | Vienne | Dans La Librairie De Camesina. | MDCCCIII. [1803]

2°: [3]f + [126]f (each with an engrav & explan, the lettpress recto, versos blank). No signatures. 46 x 31 cm(18 x 12 1/4 in). Uncut. USGS Kunz Coll; Vinet 1648: "publié à 66 fr., pap.ord., 140 fr., gr.pap. et 230 fr., pap. velin."

Miliotti's collection of engraved gems was dispatched to St Petersburg and there sold to Catherine II in 1792, according to S Reinach, *Pierres Gravées*, p 132-3, who notes that only this first of two projected volumes was issued and that it was a "bad" work due largely to inclusion of many modern gems. A Furtwängler, *Die antiken Gemmen*, 3, 423, calls it "meager" in character, and containing "worthless, unscientific text," but notes that it is rare. See also Zazoffs, *Gemmensammler*, 178-9, Pl 43, 3.

4480. MILLAR, HOWARD A

It Was Finders-Keepers At | America's Only Diamond Mine | by | Howard A.Millar | A Hearthstone Book | Carlton Press, Inc. New York, N.Y. [1976]

16°: 175, [1 blank]p; photo front. Pale blue cloth, black spine title. Red & blue dj, diamond on cover, white title; portr & vita of author on back. 20.2 x 13.6 cm(8 x 5 3/8 in). Cut. $5.95. ISBN 0-8062-0151-7. JSL.

Cont: 1/2tp; front; tp; dedic & publ data; tab cont; text tp; pref; fwd; ackn; 22 chs; biblio(p 152, 15 entries); list of newspaper stories; list of diamond finders; blank p.

Fascinating story of the diamond mining near Murfreesboro, Arkansas by a person who was intimately connected with this deposit from childhood. There is minimum technical detail, but maximum personal reminiscence with the result that this is one of the most important sources of such information on the mining of Arkansas diamonds. The first chapter is on the career and character of "Diamond Jim" or John Wesley Huddleston, a native who found the first diamonds and was responsible for setting off the first "rush." Other chapters explain the involvement of the Millar Family in the industry, and trace the attempts to mine diamonds commercially up to the last abortive attempt in the 1940's and the final conversion of the properties into a collecting-fee tourist attraction, The most famous stone found, the "Star of Arkansas," receives a chapter to itself. Near the end of the text, Millar inserts chapters on the origin of Arkansas diamond, the nature of diamond, cutting of Arkansas stones, weighing diamonds, prospecting for diamonds around the world, diamonds in other countries, diamonds elsewhere in North America, and industrial diamonds. A useful feature is the long list of finds & finders from the records of "The Crater of Diamonds" resort, p 155-75. Out of print by 1981, copies are now hard to find.

MILLEDGE, H J, see LONSDALE, K

4481. MILLER, R McG Departmental report on the mining and production of diamonds at CDM 1945 to 1983. Namibian Department of Economic Affairs and the Geological Survey, Windhoek. pp.28 R 3.50, "This report was commissioned to refute longstanding arguments that CDM (Consolidated Diamond Mines) were increasing diamond production in contravention of the Halbscheid Agreement. It was alleged that high-grade ore was mined in preference to low-grade ore and that overburden and waste were dumped on top of diamondiferous gravel. Statistics are used in the refutation as are day-by-day accounts of the actual production," review by M.O'Donoghue.

4482. MILLER, R W Life in the new diamond diggings. *Scribner's Monthly*, New York, 5, 5, March 1873, 529-39, 8 wood engrav. Excellent, firsthand account of both dry & wet diggings, how done, recovery of diamonds, problems in the dry, ie, kimberlite, diggings, miner's habits & customs, natives, etc. Important early account with attractive, lively engravings showing scenes, diggings, miners at their labors, etc.

MILLER, WILLET GREEN(1866-1925)

Canadian geol; grad U Toronto; School of Mining, Kingston, Ont 1893; prof geol Queen's U; Ontario Provincial Geologist 1902-. Obit C W Knight, *Trans Canad Inst Min Met*, 28, 1925, 19-47; J B Tyrrell, *GSA Bull*, 37, 1926, 99-110; L J Spencer, *Min Mag*, 21, 117, 1927, 246-7.

4483. -----1898 Economic geology of eastern Ontario, corundum and other minerals. *Rpt Ont Bu Mines* 1898, vol 7, pt 3, Toronto, 1893, 207-38, fold part col map; 13 ill on 6 glossy f bound-in. Occurrences of corundum in Hastings, Renfrew, Peterborough counties; existence first reported by W F Ferrier in 1896; geology, enclosing rocks, modes or occurrence, qualities of corundum, uses, locations, and with illustrations of crystals, rocks, view. Report followed by analyses by W L Goodwin, p 238-9, techniques of concentration by Courtenay De Kalb, 240-50. No mention of usefulness for gems although such use described later by other writers.

4484. -----1899 Corundum and other minerals. *Rept Ont Bu Mines* 8, pt 2, 1899, 205-40, index map, 5 fig, 20 photos on 9 bound-in glossy f. Expands previous contribution: compares deposits to those of India, Burma, Russia. This paper followed by A Blue, "Corundum in Ontario," 241-9, in which account given of early discoveries and working of deposits, and followed by A P Coleman "Corundiferous nepheline-syenite," or the host rock, 250-53.

MILLIN, AUBIN-LOUIS, or MILLIN DE GRANDMAISON, A-L (1759-1818)

Fr naturalist, antiquary, writer, prof archeol, hist & physics; edit of *Magasin encyclopédique* 1795-1815; mbr Inst of France; apptd 1794 to Conservator, Cabinet of Antiquities, Bibliothèque Nationale, Paris; Chev Legion of Honor. A life & survey of his work appears below, 1826.

4585. -----1790 Minéralogie homérique; ou, Essai sur les minéraux, dont il est fait mention dans les poëmes d'Homère. Paris, Garnery, 1790. 118 p. Not seen; Ward & Carozzi 1581; Dewalque 352 gives date of 1789 for first edit.

4486. -----1791 Minéralogie homérique... Strasbourg et Paris, Chez Girard, Libraire. 1791. Not seen.

4487. -----1793, Ger edit

Mineralogie | des Homer | von | Aubin Louis Millin. | [rule] | Aus dem Französischen | mit | Anmerkungen und Berichtigungen | von | Friedrich Theodor Rink, | der Philosophie Doctor. | [taper rule] | Königsberg und Leipzig, | bey Friedrich Nicolovius | 1793.

8°: 126, [2 blank]p;)(^{8} ,)()(^{4}, A-H^{8}. 17.4 x 10.7 cm(6 7/8 x 4 1/4 in). Cropped. BM(NH); USGS Kunz Coll, GS 33-301; Ward & Carozzi 1582.

Cont: tp; dedic; ltr; transl pref; author pref; tab cont; text; biblio(p 115-20, ca 70 entries); index; blank f.

In this interesting though highly speculative work, Millin examines the knowledge of minerals possessed by the ancients in the time of Homer, who flourished ca 1000 BC, as revealed in passages and mentions in his celebrated poems, the *Iliad* and *Odyssey*. He also notes similar studies of ancient knowledge of natural history including several specifically upon minerals. The text treats six classes of mineral substances, arranged according to the scheme of Wallerius *Systema mineralogicum*, 1778, as follows: I Earths, II Sands, III Stones, IV Salts, V Combustibles, and VI Metals. Gemstones, necessarily vaguely defined, are entered in Class III, in which Millin notes that Homer apparently subclassified stones as "rough" and "polished," the last including the gemstones. Some mentioned by Millin are conjectural. A larger discussion of amber appears in Class V under the combustibles and is based on somewhat more certain information because that substance was well-known to the ancients and is frequently mentioned in their writings. However, by far the major portion of Millin's work is given over to the metals, namely iron, copper, lead, tin, silver, and gold.

4488. -----1816, 2nd Fr edit

Minéralogie | Homérique, | Ou | Essai Sur Les Minéraux, | Dont il est fait mention dans les Poèmes | d'Homère; | Par A.L.Millin, | Chevalier de la Légion d'honneur, Membre de l'Institut | royal de France, Membre honoraire de l'Académie | royal de Goettingue, etc. | Second Édition. | [taper rule] | A Paris, | Chez C.Wasermann, Libraire, | Rue de Thionville, n.° 27. | [double rule] | 1816.

8°: xviij, [2], 199, [1]p; 2 engravs of medals. 20 x 12.5 cm(7 7/8 x 4 7/8 in). Cropped. Dewalque 351; JSL;Agassiz III, 601.

Cont: 1/2tp; print data; tp; dedic; pref; explan of medals; 6 chs; index; errata.

4489. -----1796

Introduction | A | L'Étude | Des | Pierres Gravées, | Par A.L.Millin, | Conservateur du Muséum des antiques à la | Bibliothèque nationale, Professeur d'Histoire | et d'Antiquités, des Sociétés d'Histoire Na- | turelle et Philomatique de Paris, de | l'Académie des Curieux de la Nature à | Erlang; de l'Académie de Dublin, de la | Société Linnéene de Londres, de celle de | Médecine de Bruxelles, et de celle des Sciences | physiques de Zurich. | [rule] | Multis hoc modis, ut caetera omnia, luxuria variavit, | gemmas addendo exquisiti fulgoris censuque opimo | dignos onerando; mox et effigies varias coelando, ut | alibi ars, alibi materia essei in pretio. | Plinius, Lib.53, Sect.6. | [rule] | A Paris, | De l'Imprimerie du Magasin Encyclopédique, | rue S.Honore, vis-avis S.Roch, n° .94. | L'an quatrieme. | 1796.

8°: viij, 68 p; *^{4}, A-D^{8}, E^{2}. 21 x 13.2 cm(3 1/4 x 5 1/4 in). Uncut. USGS Kunz Coll, GS 34-337 rev.

Cont: 1/2tp; tp; dedic; pref; text; index.

This work is commonly found bound-up with his *Introduction a l'Étude des Médailles and Introduction a l'Étude des Monumens antiques*, published in the same year. A short survey of gem engraving, discussing the materials used, techniques, pastes & impressions, uses of engraved gems, engraved gems among the Egyptians, elsewhere in Africa and Asia, among the Etruscans, Greeks, Romans, and thence into modern times, and with notes on famous collections, and classification. C W King, *Antique Gems and Rings*, 1, 466 states that this work is "the mere skeleton of a manual, judiciously planned, but very meagre in all its branches, bearing every mark of being composed with great haste, and for a limited space (in an Encyclopedia)." About the same is said by A Furtwängler, *Die antiken Gemmen*, 3, 423: "a very meager, paltry treatment... in the form of a catechism... treated outsandingly are only the materials of gems and engravers signatures, the last taken from Visconti's *Osservazioni sul Catalogo degli antichi Incisori in Gemme*." Vinet, 1645, "excellent." See also comments of Zazoffs *Gemmensammler*, 191.

4490. -----1797, 2nd edit

Introduction | A L'Etude | Des | Pierres Gravées, | Par A.L.Millin, | ...[8 lines]... | [rule] |... [same Pliny quot, but corrected, 5 lines]...| [rule] | Seconde Edition, | Augmentée et corrigée. Prix, 2 livres 8 sous. | [taper rule] | A Paris, | [to left, a curved bracket headed "Chez", enclosing the next 5 lines: L'Auteur, a la Bibliothèque Nationale, | N.° II. | Fuchs, Libraire, rue des Mathurins, | Hôtel Clugny [sic]. | François-George Levrault, à Strasbourg. | [rule] | An VI. (1797.)

8°: xi, [1], 131, [1 blank]p; pi^{6}, A-H^{8}, I^{2}. 19.5 x 12.2 cm(7 3/4 x 4 3/4 in). Cut. JSL.

Cont: 1/2tp; tp; dedic; pref; tab cont; index; biblio(p 110-31, ca 380 entries); blank p.

Entirely reset & largely rewritten, much new matter added, and now with index. A systematic bibliography is supplied, somewhat sketchy but at least an attempt by the author to assemble a fairly complete list of works dealing with the subject and including articles from periodicals; the list contains numerous errors.

4491. -----1807, Ital edit

Introduzione | Allo Studio | Delle | Pietre Intagliate | Del Sig. A.L.Millin | Conservatore Degli Antichi Monumenti Nella | Biblioteca Di Parigi, E Professore D'Istoria, | E Delle Antichita' Nella Medesima. | Dal Francese | Nell' Idioma Italiano | Ridotta. | [rule] | Multis hoc modis, ut caetera omnia, luxuria variavit | gemmas addendo exquisiti fulgoris, censuque optimo | dignas onerando; mox et effigies varias coelando, ut | alibi ars, alibi quateria esset in pretio. | Plin. lib.33. Sect.6. | [rule] | 1807. | [double row of orns] | Con Approvazione. | A spese di D. Francesco Abate)(Librajo)(

4°: VII, [1 blank], 120 [recte, 126]p; pi^4, A-P^4. 20.4 x 14.7 cm (8 x 5 3/4 in). Cut. USGS Kunz Coll, GS 33-300. P 105-111 numerals are repeated.

Cont: 1/2tp; tp; dedic; pref; introd; text; tab cont; biblio(p 105-19); errata; advert.

4492. -----1812

Mémoire | Sur Quelques Pierres Gravées | Qui Représentent | L'Enlèvement Du Palladium. | Par Monsieur Le Chevalier | Aubin Louis Millin. | [orn] | Turin, 1812. | [rule] | Chez Félix Galletti | Imprimerie De l'Académie Impériale Des Sciences.

4°: 16 p, 2 engrav pls. 27.5 x 21.5 cm(10 7/3 x 6 1/2 in). Uncut. USGS Kunz Coll, GS 34-635. Cont: tp; text; pls.

4493. -----1817 Pierres gravées inédites, tirées des plus célèbres cabinets de l'Europe, publiées et expliquées par A.L.Millin (suivent cinq lignes de titres honorofiques). Tome I. A Paris. Au bureau des Annales Encyclopédiques, Rue Neuve des Petits-Champs n° 12, MDCCCXVII. Not seen; from S Reinach, *Pierres gravées*, 123; Vinet 1650 gives Paris 1817-25, 8°, 164 pp & 62 pls ..."ouvrage resté inachevé; il devait former deux vol., mais il n'en a paru que sept livraisons."

4494. -----1826, collected works, B De Roquefort, ed

Introductions | A L'Étude | De L'Archéologie, | Des Pierres Gravées Et Des Médailles, | Par A.-L.Millin, | Membre De L'Institut. | Nouvelle Edition, | Revue, Mise En Ordre, Avec Une Table Analytique, | Par B. De Roquefort; | Precedée | D'Une Notice Sur La Vie Et Les Ouvrages De L'Auteur, | Par M.Dacier, | Secrétaire Perpétuel De L'Académie Des Inscriptions; | Et D'Un Discours Préliminaire, | Par M.Champollion-Figeac. | [orn] | Paris. | Chez Girard, Libraire-Éditeur, | Rue Mazarine, N.22. | [orn] | 1826

8°: xl, 399, [1 blank]p; numbered sig. 21.5 x 13.2 cm(8 1/2 x 5 1/4 in). Uncut. Pink wrap, cover & spine title; adverts back cover. USGS Kunz Coll, GS 34-266. JSL.

Cont: 1/2 tp; print data; tp; Millin biogr; prelim discourse; text; index; blank p.

The preliminary matter contains the life and works of Millin, p v-xxix, by Bon Joseph Dacier(1742-1833), noted French savant, and the preliminary discourse by Jean Jacques Champollion-Figeac(1778-1867), noted French linguist and antiquary, whose brother was the celebrated decipherer of Egyptian hieroglyphics. The editor, Jean Baptiste Bonaventure De Roquefort (1777-1834), was a noted French philologist and antiquary. The text proper contains *Monumens antiques, Pierres gravées*, p 93-229, and *Médailles*, the treatise on engraved gems apparently a faithful copy of the second edition of 1797 but omitting the bibliography.

4495. MILLIN, SARAH GERTRUDE(1889-)

Rhodes | By | Sarah Gertrude Millin | London | Chatto & Windus | 1933

8°: [2 blank], vi, 389, [1], [2 blank]p; front photo pl on glossy tip-in f(Rhodes's death mask). Black cloth, gold lett, orn rules on spine. Endp sketch of S Afr in 1881. 22.2 x 13.9 cm(8 3/4 x 5 1/2 in). Te stained blue; be untrimmed. JSL.

Cont: blank f; 1/2tp; front; tp; publ data; tab cont; 37 chs; chrono tab; biblio(p 359-73, 55 entries + refs); index; publ data; blank f.

A highly regarded work that passed into a number of printings(see below). Primarily Millin studies Rhodes' character and his influence on the commercial and political development of South Africa with relatively little mention of diamonds, the diamond industry, and his involvement therein. Such mentions are concentrated in Ch 2,8-18, describing the state of the diamond industry when Rhodes entered the scene, and in Ch 10, 79-92, in which is described the struggle between Rhodes and Barnato over control of the diamond pipe mine at Kimberley and consolidation of mining claims. The chronological table summarizes major events in Rhodes' career. I have examined the following reprints and editions: 1933, NY, Harper & Bros, 8°, viii, 449 p, reprinted several times; NY, Grosset & Dunlap, nd, 8°, viii, 358 p; 1936, London, Chatto & Windus, 8°, vi, 389 p, another in 1945, the "Armed Forces Edition," 16°, vi, 389 p, and a revised edition, in 1952, 8°, xvi, 406 D. A common work.

4496. MILLSON, HENRY E Ballast Point agatized coral. *Lap J*, 33, 11, 1980, 2332-44, col ill; 12, 2524-6, 2540-4. On the famous locality in the Tampa Bay area of Florida's West Coast: source of colorful coral geodes, types of interiors, color phases, etc.

4497. MINER, ROY WALDO On the bottom of a South Sea pearl lagoon. *The National Geogr Mag*, Sept 1938, 365-82, with watercol pls I-VIII, 17 text photos. Natural history & pearling in lagoon of Tongareva (Penrhyn Island). The author was curator of marine life, American Museum of Natural History, New York City.

4498. -----1946 Pearl Divers | [wavy rule] | By Roy Waldo Miner | Curator Emeritus of Invertebrates | Science Guide No.104 | [double wavy rule] | New York City | The American Museum of Natural History | 1946

Centerstapled: 11 p + [5]p of 15 photos; 23 text photos & sketch map of Tongareva Atoll. Blue decorated & print wrap, cover title. 30.2 x 22.3 cm(11 7/8 x 8 3/4 in). Cut. Based on his article above.

MINERAL INDUSTRY, THE, see KUNZ, G F, 1893-1913

4499. MINERALOGICAL RECORD, THE Tourmaline-1. The first special issue in the Gem Minerals Series, Sept-Oct 1985, vol 16, no 5, p 327-438, includ adverts. Illustrated in col, b&w photos, maps, crystal drawings; history, mineralogy, Elba granitic pegmatites, Maine tourmalines, also those from Pakistan, Nepal, and California. JSL.

4500. MINERALOGIYA I KRISTALLOFIZIKA YUVELIRNYKH RAZVIDNOSTII KREMNEZMA

[Mineralogy and crystal physics of quartz made for jewellery.] Moskva: Nedra, 1979. 148 p, 9 col pls, price 90 k. Not seen, from rev by M O'Donoghue, *J Gemm*, 17, 3, 1980, 199. "A guide in Russian to the manufacture of the various types of quartz crystals with gemmological applications."

4501. MINERAL RICHES OF THE EARTH

Mineral Riches | Of The | Earth. | [rule] | Carefully Compiled For The American Sunday-School | Union, And

Profusely Illustrated. | [rule] | Philadelphia: | American Sunday-School Union, | 1122 Chestnut Street. | [rule] | New York: 599 Broadway. [1861]

12°: 304, 12 blank]p; front wood engrav pl, tissue, tip-in; 11 other wood engrav pls tip-ins; 21 wood engravs in text. Embossed cloth, various colors, elaborately patterned, gold lett & orns on spine. Yellow, dull-finish endp. 15.1 x 9.5 cm(6 x 3 3/4 in). Cut. JSL.

Cont: blank f; tp; publ note; pref; tab cont; 11 chs; blank f.

A book for children, presenting in simple language, though not always logically, the basic facts about salts, metals, fuels, clay, slate, flint, sand, gravel, stones, volcanic products, fossils, and gems, the last in Ch 10, 246-75, with several illustrations, The information is presented as a conversation between a Mr Goodman and his children; it is unremarkable and not always accurate.

4502. MINERAL TRADE NOTES A monthly inventory of information from U.S.Government Foreign Service offices and other sources that may not otherwise be made available promptly. U S Department of the Interior, United States Bureau of Mines, Washington, D C. Edgestapled: 26.8 x 20.3 cm(10 1/2 x 8 in). Printed covers. On metallic and nonmetallic minerals; most issues contain statistics and notes on the diamond mining industry and trade and sometimes on other gemstones.

4503. MINERALIENTAGE MÜNCHEN Versteinerte Wälder. Special issue of a magazine published annually by Deutsche Geo-Fachmesse and Mineralogische Staatssammlung München, für 23. Internationale Fachmesse und Verkaufsausstellung für Mineralien, Edelsteine, Fossilien und Zubehör, 17.-19. Oktober 1986. Cementb: xxiii, [1], 144 p; many col & b&w ills of all types. Black plasticized wrap, col photo front cover, adverts insides & back cover(back cover flap folds inward). 26 x 20 cm(10 1/4 x 7 7/8 in). Cut. Issue specially devoted to petrified forests and petrified woods, many of lapidary grade, from Arizona, Czechoslovakia, and DDR; also articles on microstructure of woods and preparation of thin sections, a petrified forest in southern Bavaria, miscellaneous localities for silicified woods, and a large article on amber by Dieter Schlee (which see).

4504. MINERALOGISCHE BELUSTIGUNGEN.

Mineralogische | Belustigungen, | zum Behuf | der | Chymie und Naturgeschichte | des Mineralreiches. | Erster[-Sechster und letzter Theil] Band. | [orn] | [rule] | Leipzig, | bey Joh.Friedrich Heineck und Faber, | Buchändler in Copenhagen. | 1768[-1771]. [slight variations in rules & orns on titlepages]

8°: 1768 [16], 544, [12]p, 1 fold engrav pl; 1768 [4], 547, [10]p, 4 fold engrav pls; 1770 [6], 504, [6]p, 2 fold engrav pls; 1769 [4], 478, [10]p, 3 fold engrav pls; 1769 [8], 470, [8]p, 6 fold engrav pls; 1770 [6], 504, [6]p, 1 fold engrav pl; 1771 [8], 486, [10]p, 6 engrav fold pls. 20 x 12 cm(7 7/8 x 4 3/4 in). Cut. JSL.

The editor of this short-lived periodical was Johann Christoph Adelung(1734-1606); Pogg I. The following articles are of special interest. Vol I Hrn. Potts chymische Versuche mit den Sächsischen Topasen, 153-69; Manier den marmor zu färben, 297-301; Hrn. Aepins Abhandlung von einigen neuen Erfahrungen, die Electricität des Turmalins betreffend, 302-22; Hrn. Lehmanns Naturgeschichte des Chrysopras von Chosemitz, 367-84; Blasius Caryophilus von der Zeit der Erfindung einiger Stein= und Marmorbrüche u.s.f. der Alten, 385-426; Des Grafen Marshall Nachricht von den Demantgruben in den Königreichen Golconda und Visapour, 427-35. Vol II Hrn.Potts chymische Untersuchung des sauren flüchtigen Bernsteinsalzes, 95-123; Hrn. Lehmans [sic] Abhandlung über eine Stelle Plinii von der Asteria, einem Edelgesteine der Alten, 448-59; Hrn. Ellers Untersuchung über die Erzeugung des Steins oder Kieses in dem menschlichen Körper, 534-47. Vol V Blasii Cariophyli Schrift von den Marmorn der Alten, 202-90; Herrn Fougeroux de Bondaroy Abhandlung von versteinerten Hölzern, 422-51; Herrn Daubentons Abhandlung von dem Alabaster, 452-68. Vol VI Herrn Guettard Abhandlung von den Stalactiten, 274-423, fold pl. Several articles are described elsewhere.

4505. MINERALS QUARTERLY Diamonds. London, 1, 3, 15 p. Not seen.

4506. MINNESOTA MUSEUM OF ART

Jade | As | Sculpture | On Exhibit: | Minnesota Museum Of Art | Saint Paul, Minnesota | 19 February - 26 March, 1975 | Rare Art, Inc. | New York, New York | 9 April - 6 June, 1975 | Indianapolis Museum Of Art | Indianapolis, Indiana | 17 June - 1 August, 1975 | Library of Congress Catalog Number 75-4048 | Copyright 1975, Minnesota Museum of Art | [orn] The Minnesota Museum of Art is a member agency of the Saint Paul-Ramsey Arts and Science Council [Saint Paul, 1975]

Cementb: [2 blank], 80, [1], [1 blank]p; 6 text fig; 1 b&w photo tip-on, 6 col pls tip-on; 88 b&w photos on bound-in white f, the remainder of text f being green paper. Ivory-white wrap, deeply stamped "pi" disk on covers; spine title; Chinese inscription on front inward-fold flap, caption to embossed fig on back flap. 21.6 x 21.2 cm(8 1/2 x 8 3/8 in). Cut. LC 75-4048. JSL.

Cont: blank f; tp; quot; prologue; introd; dynasties; jade styles; catalog; ackn; museum history & colophon(credits); blank p. Errata slip tip-in p 20.

Very attractive production, uses textured thick green paper in part and textured white paper elsewhere, the latter bearing b&w photographs. All types of carvings in nephrite & jadeite; also several bronze vessels inserted to show borrowing of forms & motifs for jades. Photograph quality is superb. Edited by Patricia Heikenen.

4507. MINTON, ROBERT R & MINTON, HAZEL, C

The How and The Why | of | Picking Agates | by | Robert R.Minton | and | Hazel C.Minton | Photographs And Printing | By George Bogardus | Of The | Triple-A-Press | Troutdale, Oregon [1950]

Centerstapled: 94, [1], [1] blank]p; 21 photos. Thick tan wrap, cover title. 15.3 x 11.2 cm(6 x 4 3/8 in). Cut. JSL.

Popular collecting guide for the amateur: describes various types of chalcedony quartzes, remarks on obsidian, petrified wood, origin of chalcedony in its several forms,the last being highly speculative and taking up most of the text and expounding the authors' pet theories. Second "edition" not seen,

but the third, 1958, is identical to the first and is merely a reprint.

4508. MIQUEL, FREDERIK ANTON WILLEM(1811-1871) De barnsteen in het osstelijk gedeelte der Provincie Groningen, door G.A.Venema. (Naschrift door F.A.W. Miquel). pp 18, text illus. 4°. 1854. Not seen, from BM(NH) catalog. Amber in Groningen province, Netherlands.

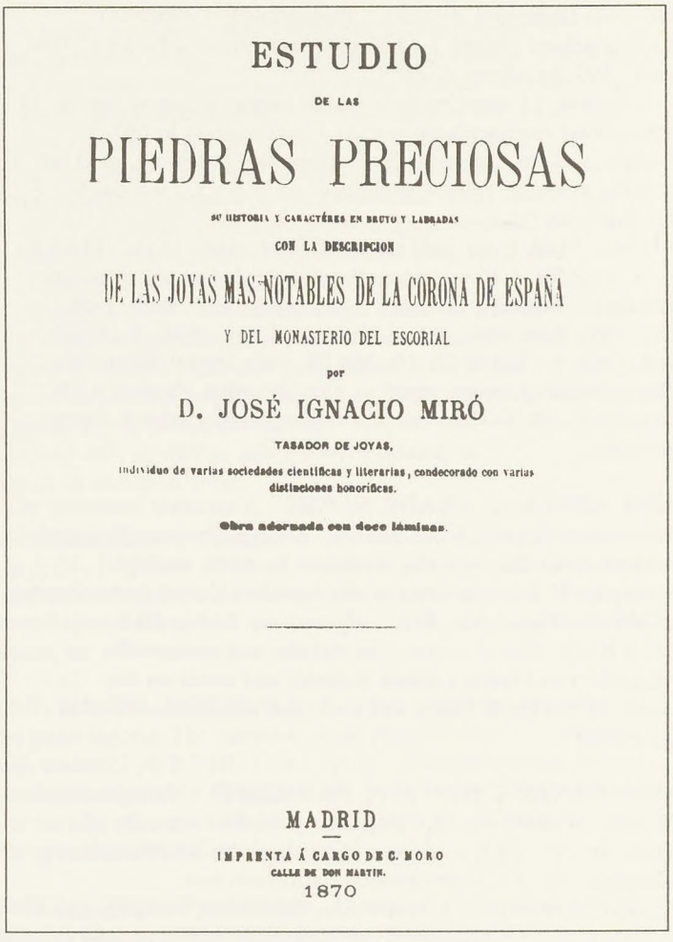
4509. MIRÓ Y ARGENTER, JOSÉ IGNACIO(1857-1925)

Estudio | De Las | Piedras Preciosas | Su Historia Y Caractéres En Bruto & Labradas | Con La Descripcion | De Las Joyas Mas Notables De La Corona De España | Y Del Monasterio Del Escorial | por | D.José Ignacio Miró | Tasador De Joyas, | individuo de varias sociedades cientificas y literarias, condecorado con varias | distinciones honoríficas, | Obra adornada con doce laminas. | [rule] Madrid | [rule] Imprenta Á Cargo De C.Moro | Calle De Don Martin. | 1870

4°: [7], [1 blank], [i]-xi, [1 blank] p + p [13]-288 + [4]p; 12 bound-in pls(7 engrav, 5 litho in brownish ink). 25.2 x 16.5 cm(9 7/8 x 6 1/2 in). Cut. USGS Kunz Coll, GS 33-225; JSL.

Cont: 1/2tp; tp; publ data; pref; text tp; introd; text; pls 1-3; append tp; append; tab cont; errata.

One of the best known, and highly esteemed earlier comprehensive works on gemology published in Spain. It is now rare. The introduction discusses the history and valuation of gems in antiquity, biblical gems, curious lore, comments on some older works on gemstones, and other topics of a general nature. The text proper begins with a short account of properties useful in identification of gemstones, and is followed by two plates showing crystal forms. Commencing with page 25, and ending on 273, Miró describes gemstones alphabetically by species or variety from adularia to záfiro(sapphire). Each description contains chemical & physical property data, crystallization, occurrences, cutting, uses, commercial prices, and remarks on nomenclature. There are 53 such descriptions. Where appropriate, works or objects of art involving gemstones and belonging to the Spanish Crown Treasury in the Escorial, are briefly described, sometimes along with comments on similar objects in other European collections. Some are depicted on plates, often in exquisite detail. The appendix includes parts of a 15th century manuscript entitled *Lapidario Título de las declaraciones del las naturalezas de las piedras et de las virtudes et gracias Que nuestro Señor Dios en ellas dió*. Apparently this is a version of Marbodus but nothing seems to be known of the provenance of the MS. Maffei & Figueroa, 1871, I, 475-6.


ESTUDIO

DE LAS

PIEDRAS PRECIOSAS

SU HISTORIA Y CARACTÉRES EN BRUTO Y LABRADAS

CON LA DESCRIPCION

DE LAS JOYAS MAS NOTABLES DE LA CORONA DE ESPAÑA

Y DEL MONASTERIO DEL ESCORIAL

por

D. JOSÉ IGNACIO MIRÓ

TASADOR DE JOYAS,

individuo de varias sociedades científicas y literarias, condecorado con varias distinciones honoríficas.

Obra adornada con doce láminas.

MADRID

IMPRENTA Á CARGO DE C. MORO

CALLE DE DON MARTIN.

1870

4509. Titlepage to Miro's treatise on gemstones and the crown jewels of the Spanish royal house and notable for fine engravings

MIRONOV, I K, see DIBROV, V E, et al

MISER, HUGH DINSMORE(1884-1969)

USA geol; BS Arkansas U 1908, MS 1912; to USGS 1912 & brief periods service Ark U & State Geol Tenn; hon PhD Ark U 1949; strong interest in quartz crystals of Ark, forming large collection thereof; "miserite," named after by W T Schaller. Mem by G V Cohee, *Amer Min*, 55, 3/4, 1970, 583-91, biblio. Biogr note *R & M*, 64, 4, 1989, 328-9.

4510.-----1914 New areas of diamond-bearing peridotite in Arkansas. *USGS Bull* 540-U, 1914, 534-46, Pl 11(fold map); Fig 58-60. JSL. After P F Schneider's report of 1907, which see, this is the first scientific account of kimberlite bodies at Murfreesboro, Pike Co, Arkansas, based on field examinations followed by laboratory work on rock samples. Describes underlying formations, several properties located on kimberlite outcrops, speculates on origin of diamonds, and describes mining & recovery; the folding map shows locations & workings of two of the properties.

4511.-----1943 Quartz veins in the Ouachita Mountains of Arkansas and Oklahoma(their relations to structure, metamorphism, and metalliferous deposits). *Econ Geol*, 38, 1943, 91-118, 5 fig. Not seen; deposits include those furnishing clear crystals of quartz.

4512. MISER, HUGH DINSMORE & ROSS, CLARENCE S Diamond-bearing peridotite in Pike County, Arkansas. *USGS Bull* 735-I, 1923, Pls 8-15(3 geol maps, 10 photos), Fig 65-7. Also issued sep in green, printed wrap. JSL. Describes geology of basement rocks and kimberlite intrusives, with remarks on history of discovery, exploitation, local geography, nature & properties of the diamonds, mining & treatment of ore. Biblio 29 entries, 281-5. Substance of this paper republ in *Econ Geol*, 17, 8, 1922, 662-74, and in *Ann Rpt Smithson Inst for 1923*, 1925, 261-72, 3 pls(LC 25-14614).

MISERONI, DIONYSIO, see KLAPSIA, H

MISH, J L, see WATSON, WILLIAM

4513. MITCHELL, HENRY

Diamonds And Gold | Of | South Africa. | By | Henry Mitchell, | Of Kimberley. | Together With The | Transvaal Gold Law. | And Other Useful Information. | [rule] | London: Published By | Fredc. C. Mathieson & Son, Bartholomew House, E.C. | Effingham Wilson & Co., Royal Exchange, E.C. | [rule] | 1888.

8°: vi, [1 blank], [1], 109, [3 blank]p; fold front sketch map(27 x 44 cm) tip-in. Dk green-blue ribbed cloth, gold title on cover; blind double-ruled frames both covers; spine blank. Yellow endp. 21.2 x 13.6 cm(8 3/3 x 5 3/8 in). Cut. BM(NH).

Cont: map; tp; publ data; tab cont; blank p; addendum; text; append; 3 blank p.

Interesting and valuable: devotes first chapter to brief accounts of the initial diamond discovery in South Africa, discovery of alluvials along the Vaal River, and the several "dry diggings" or pipe discoveries of Bultfontein, Dutoitspan, De Beers, and Kimberley. However, the aim of the work is mainly to interest investors in mining shares, hence by far most space in the first 30 pages is taken up by production statistics, several pages of description of the gold fields, and a "stock and share report." The remainder of the book gives the laws & regulations governing mining of gold and gemstones. The author operated a stock & share company under his name in Kimberley. The folding map merely is a sketch of the several routes of travel between Kimberley-Malmani, or Kimberley-Barberton. According to Southey, 128, a "Supplement... being a list of South Africa mines..." was issued in Cape Town, by Argus, 1889 and contains a list of the diamond mining companies.

4514. MITCHELL, JOHN

A Manual | Of | Practical Assaying. | By | John Mitchell, F.C.S. | Edited By | William Crookes, F.R.S. | Fifth Edition. | London: | Longmans, Green, And Co. | 1888. | All Rights reserved.

8°: xxxii, 809, [1 blank], lvi, 24[advert]p; 138 fig. Dk brown cloth, blind frame on covers, gold rules & spine title. Dull brownish-gray endp. 22.1 x 14.4 cm(8 3/4 x 5 5/8 in). Cut. JSL. GS 15-364.

Cont: 1/2tp; print data; tp; prefs; tab cont; 25 chs; append; index; publ bks.

First edit 1846, 2nd 1854, 3rd 1863, 4th 1873; this highly esteemed work contains in Ch 25, 783-809, "Discrimination of gems and precious stones," figures 131-188, presenting therein a scheme of identification based on "the principal sources of recognition... colour, crystalline form, specific gravity, and hardness." However, these data are for gemstones in the rough and not in cut forms. For this reason, considerable care was taken to provide text figures of crystal forms and to described natural appearances. Species: diamond, quartz, zircon, corundum, topaz, chrysoberyl, tourmaline, beryl, garnet, spinel, kyanite, iolite, peridot, chrysoprase, feldspar, glass, artificial gems; all are grouped by color.

4515. MITCHELL, R H Kimberlites, mineralogy, geochemistry and petrology. New York: Plenum, 1986, xv, 442 p. $78.00. Rev *J Gemm*, 29, 6, 1937, 387, "concerned primarily with the petrology of kimberlites rather than the prospecting for them... main aim... a survey of the advances made in kimberlite studies over the past 25 years." Briefly discusses occurrence of diamonds and their origins.

4516. MITCHELL, R KEITH Cleavage and the structure of gem minerals. *J Gemm*, 2, 6, 1950, 237-74, 18 fig, 10 ref. Correlates structure & cleavage in several dozen gemstones.

MITCHELL-HEDGES, F A, see MORRILL, S S

4517. MITROFANOV, G K & SHPANOV, I A

Gosudarstvennyi Komitet Po Grazhdanskomu Stroitelstvu | I Arkhitekture Pri Gosstroe SSSR | TsNIIEP Zrelishchnykh Zdanni I Sportivnykh Sooruzhenii Ministerstvo Geologii SSSR | Vsesoyuznyi Institut Ekonomiki Mineralnogo Syrya (VIEMS) | G.K.Mitrofanov, I.A.Shpanov | Oblitsovochnye I Podolochnye Kamni SSSR | Pod redaktsiei | N.P.Bilinkin, M.B.Grigorovicha, V.A.Pervago | M.M.Chesnokova | [rule] | Izdatelstvo "Nedra" | Moskva, 1970 [facing tp:]

State Committee for Civil Building and Architecture | at the State Building Committee of the USSR | CNIIEP of Entertainments Building and Sports Structures | Ministry of Geology of the USSR | All-Union Institute of Economy of Mineral Raw-Materials | G.K.Mitrofanov, I.A.Shpanov | Facing And Semiprecious Stones Occurring | In The USSR | Edited by: | N.P.Bilinkin, M.B.Grigorovitch, V.A. Pervago, M.M.Tschesnokov | [rule] | "Niedra" Publishing House | Moscow 1970

4°: 199, [1]p; 269 col photos of stone samples(polished flats), on rectos only, p 81-199. Pale tan unfin cloth; gold lett & small rect col photo inset in front cover; gold lett spine. White, plasticized dj, col photos both covers. 29.1 x 22.1 cm(11 1/2 x 8 3/4 in). Cut. Marker ribbon. 7 r. 7,000 copies. Plain cardbd slipcase. JSL.

Cont: logo; Engl tp; Russ tp; Russ & Engl prefs; same for introds; text in 4 parts; append of localities; ill sect; tab cont in Russ & Engl; publ data.

A surprisingly high-quality production, entirely on glossy paper, on the building and ornamental stones of the USSR. The preface remarks on the stone resources according to region and rock types, while the introduction explains the work that led up to the publication of the present volume. This is followed by the catalog, each entry giving in Russian, English and German, the names, but sources and descriptions in Russian only. The appendix, 77-80, Russian only, lists stones according to deposits, name of stone, and USSR region. The photographs, fair to good quality, usually with 4 but sometimes more to a page, bear captions with names in the three languages. The catalog places the stones in four groups: 1 "hard stones," ie, plutonic rocks, quartzites, tuffaceous shale, peridotite, anorthosite, labradorite, amphibolite; 2 "moderately hard stones," ie, marbles, limestones, dolomite, serpentine, conglomerate, trass, shale, tuff; 3 "soft stones," ie, gypsum, anhydrite, travertine, limestones, dolomite, tuff, soapstones,and 4 "semiprecious stones," ie, amazonite, pegmatite, lujavrite, urtite, tinguaite, foyaite, khibinite, rose quartz, moonstone feldspars, chalcedony, shale, breccia, marble, flint, amber, serpentine, jasper, malachite, perelevite, rhodonite, listvenite, lazurite, fluorite, agalmatolite, alunite, and calcite onyx.

MÖBIUS, KARL AUGUST(1825-1908)

Ger zoologist; stud nat sci Berlin U to 1853; zool chair Kiel U 1868; adminstrator, Hamburg Nat Hist Mus; developed concept of "life community" in zoology; specialty marine zool. DSB 9, 431-2.

4518. -----1857

Die | Echten Perlen, | Ein Beitrag | Zur | Luxus-, Handels- Und Naturgeschichte | Derselben, | Von | Dr.K.Möbius, | ordentl. Lehrer der Naturwissenschaften an der Realschule des Johanneums.| [rule] | Mit Einer Kupfertafel | [role] | Als Michaelis-Programm der Realschule erschienen und abgedruckt im 4.Bande | der Abhandlungen des naturwissenschaftlichen Vereins. | rule] | Hamburg. | Gedruckt Bei TH.G.Meissner. | 1857.

4°: [2], IV, 83, [1]p; engrav pl. 27.8 x 22 cm(11 x 8 5/8 in). Cropped. USGS Kunz Coll, GS 34-636; JSL.

Cont: tp; fwd; tab cont; 3 sects; pl explan; pl.

Much original research into the previous literature of pearls makes this a notable and valuable work with its abundant footnotes and references. The first section historically surveys pearl and its place in cultures of mankind from early records of use by inhabitants of India, China, Near East countries and the Mediterranean lands, finishing with copious remarks on the use of pearl in Europe and America. In places, etymologies for the word pearl are given. Greatest stress is laid on pearl as an object of adornment or decoration, however, the second part, equally detailed, treats fisheries and trade on a world-wide basis, with scarcely any important pearling ground being neglected. Especially useful are his discussions of freshwater pearls in Europe. In the last section, he provides descriptions of the chemical, physical and optical properties, with remarks on pearl structure and growth. Möbius was one of the first to section pearls for microscopic study of the layers in an attempt to settle the vexing question of why such concretions originate in the first place. A number of his cross-sections are shown on the plate.

4519. MODIN, UNO

Uno Modin | Den Underbara | Skattkisten | En historia om lyxen berättad för ungdom | Lindblads - Uppsala. [1961]

8°: 122, [3], [3 blank]p; 21 sketches. Black plasticized paper over bds, col ill on cover with title; tan cloth spine with black title; back cover resume. 20.5 x 13.8 cm(8 1/8 x 5 1/2 in). Cut. 9.75 kr(bound, 9 kr (paper). JSL.

Cont: 1/2tp; tp; publ data; 7 chs; biblio; tab cont; 3 blank p.

A book for children, all about famous luxuries, including gems and pearls. Gems treated in a chapter extending over pages 39-56, and pearls on 57-69, all of it simply written in a light-hearted vein, and illustrated with humorous sketches.

4520. MOELLER DE LADDERSOUS, A

A.Moeller De Laddersous | [rule] | Le Diamant Au Congo Belge | [rule] | Tiré à part | du Bulletin de la Banque Centrale du Congo Belge et du Ruanda-Urundi | 3° année, n°3, mars 1954 [Bruxelles; wrap title only]

Centerstapled: 22, [2 blank]p; 14 tab. Pale gray printed wrap. 27 x 21 cm(10 5/8 x 8 1/4 in). Cut.

Succinct account of diamond mining industry in Belgian Congo, now Zaire, and its influence on colony economy and Belgium; brief remarks on deposits, exploration, production statistics; short bibliography p 22.

MOHAMED BEN-MANSUR, see MANSUR...

MOHR, ERNST WILHELM MAX(1873-1926)

Ger chemist, crystallographer; PhD Kiel U 1897; prof chem Heidelberg U. Pogg 5, 867; 6, 1760-1.

4521. -----1924

Abhandlungen | der Heidelberger Akademie der Wissenschaften |...| Mathematisch-naturwissenschaftliche Klasse | Abt. A | [double rule] 12. Abhandlung [double rule] | Über den Zusammenhang | zwischen | der Struktur und den | morphologischen Merkmalen | des Diamanten | Von | Ernst Mohr | [rule] | Vorgelegt von Herrn Wülfing in der Sitzung vom 31. Mai 1924 | [logo] Berlin und Leipzig 1924 | Walter De Gruyter & Co. |... [2 lines].

4°: 43 p; 100 line drawings, etc, on 9 fold pls, edgestapled in a group and bound-in. Pale gray wrap, cover title. 29.8 x 23.2 cm(11 3/4 x 9 1/8 in). Uncut. Pink correction slip. JSL.

Mathematically analyzes & correlates structural elements of the diamond lattice to crystal faces, particularly in the case of rough or stepped faces. Diamond structure can be interpreted as containing symmetry elements belonging to the hexakistetrahedral and the ditrigonal-scalenohedral classes. By using a decremental method, reminiscent of that employed by Haüy("integrant molecule"), such symmetry elements appear to be manifested in the growths responsible for rough faces on many diamond crystals. The plates depict author's ideas of stepped growths and contain many excellent and unusual drawings employing the decrements mentioned, particularly of tetrahedra.

MOHS FRIEDRICH(1773-1839)

Ger mineralogist; b Gernrode, Germany; educ Halle & Mining Acad Freiberg; prof mineralogy Graz U 1811, same at Freiberg 1816; later prof & director Imperial Cabinet Vienna 1826; principally famous for his hardness scale.

4522. -----1804

Des Herrn | Jac.Fried.Von Der Null | Mineralien-Kabinet, | nach | einem, durchaus auf | äussere Kennzeichen gegründeten Systeme | geordnet, beschrieben, | und | durch Hinzuthuung vieler, dem gegenwärtigen und nöthiger Berichtigungen, | als | Handbuch Der Oryctognosie | brauchbar gemacht | von | F.Mohs. | [rule] | Erste[-Dritte] Abtheilung. | [taper rule] | Wien. | Auf Kosten des Besitzers, und in Commission | der Camesinaischen Buchhandlung. | [rule] | 1804.

8°: [1], [1 blank], LXXII, 594 p; [1], [1 blank], 330, [2 blank]p; [1], [1 blank], 730, [4], [2 blank]p. 20.7 x 12.7 cm(8 1/8 x 5 in). Cropped. BM(NH); Ward & Carozzi 1591. GS 15-18.

Systematic catalog of Von Der Null's mineral collection, as arranged by Mohs, and with extended descriptions making it serve as a textbook of mineralogy. The catalog contains many gemstones, eg, in Vol I, diamond, zircon, topaz, chrysoberyl, peridot, vesuvianite, garnet, spinel, quartz, euclase, beryl, opal, etc. A few gemstones appear in Vol II but the third volume is devoted almost entirely to native metals and ore minerals.

MOISSAN, FERDINAND FRÉDÉRIC HENRI(1852-1907)

Fr chemist; b Paris; educ Mus Hist Nat & School of Pharmacy, Paris; student of Berthelot and Frémy; prof School of Pharmacy 1879-83, later prof toxicol & inorg chem 1836-99; @rof inorg chem Paris U 1900-; Legion of Honor; Nobel Prize chem 1906; isolated fluorine; investigated carbon phases; "founder of chem

of high temp." Pogg 4, 1022-4; 5, 868-9; obits, *Revue Scientifique*, Paris, 5 ser, 7, 1907, 257-60, fig; *Athaeneum*, London, Jan-Jun 1907, 262-3; H Copaux, *Bull Soc Fr Min*, 30, 1907, 270-7, portr; Farber, 2, 959-79.

4523. -----1893(?)

Le Diamant | [rule] | Conférence | Faite | Par M.Henri Moissan | Membre de l'Institut, A La Société Des Amis Des Sciences | Le 17 mai 1893. [Paris: Imprimerie Gauthier-Villars et Fils, 1893?]

Centersewn: [2 blank], [1], [1 blank], 25, [3 blank p + blank outer wrap, inward fold, of translucent, thick parchment-like paper, with title in gray on cover. 8 ill. 23 x 14.3 cm(9 x 5 5/8 in). Uncut, USGS Kunz Coll, GS 34-862. Cont: blank f; tp; text; 3 blank f.

Celebrated description of his diamond synthesis experiments; a classic paper.

4524. -----1896

Recherches | Sur Les | Différentes Variétés | De | Carbone, | Par | M.Henri Moissan, | Membre de l'Institut. | [logo] | Paris, | Gauthier-Villars Et Fils, Imprimeurs-Libraires | Du Bureau Des Longitudes, De L'École Polytechnique, | Quai des Grands-Augustins, 55. | [rule] | 1896

"Extrait des *Annales de Chimie et de Physique*, 7ᵉ série, t.VIII, juillet et août 1896," actually in 3 memoirs, commencing p 289, 306, and 466.

8°: [3], [1 blank], 152 p; blank f supplied at each end of text; 32 wood engrav. Pale, blue-gray wrap, title on cover & spine; back cover logo. 22.8 x 14.2 cm(9 x 5 1/2 in). Uncut. JSL. Cont: blank f; 1/2 tp; tp; text; f.

Moissan summarizes his experimentation with carbon, the first memoir, p 1-17, being on amorphous carbon, the second, 18-59, on graphite, and the third, 60-152, with 21 wood engravings being on the synthesis of diamond. Aside from short contributions to *Comptes Rendus des Seances de l'Académie des Sciences*, Paris, namely, "Sur la préparation du carbone sous une forte pression", t 116, 1893, p 218, and "Nouvelles expériences sur la reproduction du diamant," 118, 1894, 320, in which the synthesis of diamond is claimed, the present work is the first in book form to detail Moissan's experiments and apparatus which led to his supposed synthesis. This third memoir contains 5 chapters dealing with history of previous attempts at synthesis of diamond, preliminary researches on the nature of diamond, its resistance to attack by chemical agents, physical properties, burning of diamond and analyses of ash, the nature of the "blue-ground" of South Africa as the mineralogical host for diamond crystals, also remarks on alluvial deposits in Brazil, solubility of carbon in various metals, action of high temnerature on diamond and other forms of carbon, experimental results with high-pressure apparatus, etc. The text closes with a brief set of conclusions. The illustrations depict natural and synthetic diamonds, equipment, laboratory apparatus, and the furnace used to melt carbon-rich iron. Moissan's claim to have produced diamond is now denied, and it is believed that an unscrupulous laboratory assistant may have introduced such specimens as were later recovered. A landmark publication.

4525. -----1897.

Le | Four Électrique | Par | M.Henri Moissan | De L'Institut | [orn rule] | Paris | G.Steinheil, Éditeur | 2, Rue Casimir-Delavigne, 2 | [rule] | 1897

8°: VI, [1], [1 blank], 385, [3 blank]p; 42 wood engrv. Orig in print wrap(?), 23.7 x 15.6 cm(9 3/8 x 6 1/8 in). Paper browning. LC 3-24191. JSL.

Cont: 1/2tp; publ data; tp; pref; introd; 4 chs; biblio of Moissan, p 374-6, 78 entries(11 on diamond); tab cont; errata; 3 blank p.

This book was written as the outgrowth of Moissan's pioneering design and use of the electric furnace to achieve extremely high temperatures. The chapters describe the furnace, then researches into the several forms of carbon, preparation of various pure elements by use of the furnace, studies of carbides, silicides and borides. The synthesis of diamond is described fully in the second chapter, p 112-203. It follows closely the information previously presented in his "Recherches" of 1896 described above. A seminal work in the technology of high-temperature material manufacture.

4526. -----1897, Ger edit

Der | elektrische Ofen | von | Henri Moissan, | Professor an der École Supérieure de Pharmacie in Paris, Mitglied | der Académie des Sciences etc. etc. | [rule] | Autorisierte deutsche Ausgabe | übersetzt | von | Dr.Theodor Zettel. | [rule] | Mit 42 in den Text gedruckten Abbildungen. | [logo] | Berlin W. 1897. | Fischers technologischer Verlag | M.Krayn.

8°, stapled gatherings: VI, [1 blank], 361, [1], [6 advert]p; 42 fig. Dk brown grained cloth, blind rule frame on cover enclosing gilt title; gilt spine title with gilt bands; blind frame on back cover. Beveled bds. Pale brown floral endp. 24.3 x 17.1 cm(9 5/8 x 6 3/4 in). Cut. Ae marbled. JSL.

Cont: tp; fwd(by Moissan for this edit); fwd of original edit; survey of the contents; 4 chs; biblio(p 343-51, same); tab cont; errata; advert.

A straightforward translation; Zettel worked for many months in Moissan's laboratory.

4527.-----1900, Ger edit rev

Der | Elektrische Ofen |...| von | Dr.Theodor Zettel. | [rule] | Neue Ausgabe mit Anhang: | Nachträge zum elektrischen Ofen. | Mit 42 in den Text gedruckten Abbildungen. | [logo] | Berlin W. | Verlag von M.Krayn. | 1900.

8°: VI, [1], [1 blank], 361, [1]p + 48, [1], [3 advert]p; same ill. Pale gray wrap, cover & spine titles; press back covcr. 25.5 x 17.5 cm(10 x 7 in). Uncut. Several gatherings stapled; remainder sewn. JSL.

Reset title; text same; adds the appendix which is separately paged, the latter providing information on carbides, borides, phosphides, arsenides and sulfides,

4528.-----1904, Engl edit

The Electric Furnace | by | Henri Moissan | Membre de l' Institut | Professor of Chemistry at the Sorbonne | Translated by A.T.de Mouilpied | B.Sc. (Lond.), M.Sc.(Vict.), Ph.D. | Assistant Lecturer in Chemistry in the University of Liverpool | London | Edward Arnold | 41 & 43 Maddox Street, Bond Street, W. | 1904 | [All rights reserved]

8°: x, [1], [1 blank], 307, [1], 4 advert p; 42 fig. Dk blue cloth, gold title & rules on spine. 21.9 x 14 cm(8 5/8 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; ref to this edit; transl note; tab cont & abbrev; introd; 5 chs; index; publ data; advert.

Contains a special preface & new chapter on recent work, both by Moissan. Sotheran, *Bibliotheca Chemica-Mathematica, 3rd Suppl*, London, 1952, 292; Duveen 408.

4529. -----1904, USA edit

The | Electric Furnace | By | Henri Moissan. | [rule] | Authorized Translation | By | Victor Lenher, Ph.D., | University of Wisconsin. | [rule] | Easton, Pa.: | The Chemical Publishing Company. | 1904

8°: [5], [1 blank], ix, [1 blank], 305, [1 blank]p; 42 fig. Brown cloth, blind frames on covers; gold spine title. Pale tan endp in handlaid type paper; extra flyleaf each end. 22.4 x 14.6 cm(8 7/8 x 5 3/4 in). JSL.

Cont: tp; publ data; Moissan pref this edit; transl pref; introd; tab cont; 4 chs; biblio(p 303-5, same); blank p. LC 4-14873.

"The translator wishes to express his deep obligation to Professor Moissan for the additional matter in manuscript, which is included in this translation, thereby bringing the work up to date and also for his careful revision of all the translation." Third part of Ch 2 on diamond synthesis now spread over p 80-144.

4530. -----1920(?), 2nd USA edit

The | Electric Furnace | By | Henri Moissan | [rule] | Authorized Translation | By | Victor Lenher, Ph.D. | University of Wisconsin | [rule] | Second Edition | [rule] | Distributed by | Chemical Publishing Company of N.Y., Inc. | 148 Lafayette Street, New York, N.Y., U.S.A. | Technical Books Of All Publishers [nd]

Title reset; copyright date deleted; text identical, hence merely a reprint. Tan cloth, black title & rules on spine. 21.6 x 14.9 cm(8 1/2 x 5 7/8 in). Cut. According to Sotheran, cited above, publ in 1920.

4531. -----1905 Nouvelles Recherches | Sur La | Reproduction Du Diamant, | Par M.Henri Moissan. | [orn rule] [Paris: Imprimerie Gauthier-Villars, 1905]

"Extrait des *Annales de Chemie et de Physique*, 8°serie, t v, juin 1905."

8°: 34 p; 12 fig. Tan or gray print wrap, cover title. 23 x 14.5 cm (9 x 5 3/4 in). Uncut. USGS Kunz Coll, GS 34-463 rev; BM(NH) Min Libr.

Results of new experiments on diamond synthesis but also discusses presence of minute diamonds in Canyon Diablo meteorite and significance, with detailed description. See also GS 34-862.

4532. MOKSHIN, STEPAN IVANOVICH

Stranitsy Istorii Sovetskoi Rodiny | Stepan Mokshin | [orn] | V Almaznom | Krayu | [logo] | Izdatelstvo | Politicheskoi Literatury | Moskva · 1967

Cementb: 110, [2]p; 13 photos on 4 f; col photo wrap, back cover resume. 16.1 x 12 cm(6 3/8 x 4 3/4 in). Cropped. 15 k. 65,000 copies. USGS DC Alverson Coll Russ Geol Bks.

Cont: tp; publ data; text; tab cont; biblio(p 110-1, 27 entries); publ data. Life & work in diamond pipe mines, Yakutia, Siberia.

4533. MOLDENHAUER, PAUL(1876-)

Das Gold des Nordens. | [wavy rule] | Ein Rückblick | auf die Geschichte des Bernsteins. | Von | Paul Moldenhauer. | [orn rule] | Danzig 1894. | Carl Hinstorff's Verlagsbuchhandlung | Gustav Ehrke.

8°: iv, 80, [3 advert], [1]p. Stiff, tan paper wrap, title on cover in orn frame; orn back cover & name of printer. Wrap embrittled. 21.8 x 14.3 cm(8 1/2 x 5 5/8 in). Uncut. LC 24-16264.

Cont: tp; tab cont; introd; text; advert; printer.

In two parts: I, natural history of amber, early hypotheses as to its true nature & origin, properties, chemistry Baltic amber, inclusions, imitations, resins similar to Baltic amber, prehistoric trade, and the prehistoric Amberland. II earliest knowledge & trade in amber, noting Mycaenean, Caucasian, and Italian artifacts; discusses lyncurium and simetite, also burmite; ancient amber commerce and probable trade routes, its growth and spread, and extinction just after Roman times. Next is treated resumption of amber commerce under the Teutonic Knights, and the history of this period up to date. There are remarks on amber laws enforced in the Baltic production region, control of collecting along the seashore, and miscellaneous remarks about amber in history, its valuations, uses in ornament and otherwise, curious lore, and nomenclature, all of it forming a remarkably complete though concise monograph.

MOLENGRAAFF, GUSTAAF ADOLPH FREDERICK(1866-1942)

Netherlands geologist; b Nymegen; PhD Utrecht U 1886; state geologist Republ Transvaal 1897; acad posts in Holland; geologist for several Borneo expeditions.

4534.-----1898 On the occurrence of diamonds at the farm Rietfontein. *Ann Rept State Geologist, S Afr Republ for 1897*, Johannesburg, 1898; also in *Trans Geol Soc S Afr* 4, 1898, 119-45. Not seen.

4535. -----1901 Über das Diamantvorkommen bei Pretoria. La géologie de la République Sud-Africaine. Paris, 1901. Also in *Bull Soc Géol Français*, 4, 1, 1901, 13-92. Not seen.

4536. MONALDINI, VENANTI, *publisher*

Novvs Thesavrvs | Gemmarvm Vetervm | Ex Insignioribvs Dactyliothecis | Selectarvm | Cvm Explicationibvs |. Vol.I[-III]. | Tabvlas C. | Continens | Romae An.Sal.MDCCLXXXI [-MDCCLXXXVIII]. | Sumptibus Venanti Monaldini Bibliopole [Rome, 1781-88]

Full engrav titles for each vol, but each differs; first tp most elaborate, second less, & third even simpler.

2°: I: tf + IV, 38, [1], [1 blank]p + [1] engrav f + 100 engrav pls. 48 x 33 cm(19 x 13 in). Cut. USGS Kunz Coll, GS 34-799.

Cont: tf; pref by Monaldini; pref by Giovanni Battista Passeri(1694-1780); pls indexi approb & imprim; pl explans; colophon; blank p; engrav dedic pl; blank p; pls(printed recto only).

II(1783): tf + XXIV, 24, [1 blank]p + 1 unnumb engrav pl + 100 pls.

Cont: tf; approb & imprim; pls index; ltr; append(from Gori); pls explan; engrav dedic f; 101 engrav pls.

III(1736): tf + XV, [1 blank], 19, [1 blank], [1], [1 blank]p + 1 unnumb engrav pl + 100 engrav pls.

Cont: tf; approb & imprim; ltr; pls explan; pls index; blank p; engrav dedic f; pls.

The origin of this work is explained by Furtwängler, *Die antiken Gemmen*, 3, 418-9: Gori had arranged to have drawings made after a number of casts of engraved gems from various collections and after his death the drawings were obtained by Rome publisher, Monaldini, who desired to present them as engravings in an unusual publication. Hence he directed his engravers to create large and very elaborate frames around the gem engravings themselves; two typical plates of same appear in Furtwängler, ibid, figs 212 & 213. The frame designs changed for every 10 plates, and the short plate explanations, probably supplied by Monaldini, made no pretense to scholarship. Furtwängler gives contents as follows: vol first, 100 plates, with apparently genuine but usually insignificant small gems & pastes; second vol also contains mostly genuine gems, in part from the Stosch collection, and a frontispiece of a gem which Furtwängler had described elsewhere; third vol, again the same, but notably containing numerous hitherto little-noticed early Roman and Etruscan gems, Statements on size, material and ownerships are not given. C W King, *Antique Gems And Rings*, 1, 467, believes that the frame designs were adapted from Rafael's decorations in the Vatican and from the Baths of Titus. Vinet 1636; Cicognara 2960; USGS Kunz Coll, GS 34-799. See also Zazoffs, *Gemmensammler*, 147-8, who also attribute the work to Monaldini. Because of small text supplied by Passeri, this work is sometimes catalogued under his name.

4537. -----1797, reprinted with a 4th vol Novus Thesaurus... Romae, 1797, apud Joh.M.Cassini, Cler.Reg.Somaschae operis et sculpturarum auctorem. Not seen; from Gaspare Casella, Italy, Nov 1980 catalog, no 311, who also provides a photo of the very elaborate tp and one of a framed plate. "Four superb volumes in folio, 47 x 32 cm... 400 grand artistic plates in copper by Cassini and designed by Vincenzo Brenna." Another reference gives the plates as engraved by Brenna, with dates of issue 1780-1797.

MONÉS, ROBERDEAU, L, see BOSCH FIGUEROA, J M

MONETA, S C B, see CAVENAGO-BIGNAMI, M S

4538. MONFRIED, HENRI DE & TREAT, IDA

Pearls, Arms and | Hashish | Pages From The Life | Of A Red Sea Navigator, | Henri De Monfried | Collected And Written | Down With A Foreword | And Conclusion By | Ida Treat | New York | Coward-McCann, Inc. | 1930

Double & single rules in brownish-red above & below title; central letterpress in same color.

8°: xxv, 356, [2 blank]p; photo front pl & 20 photos on 14 pls, all tipped-in. Dk brown cloth, gold rules, lett & Arab head profile in gold on cover; gold lett spine. Dull red-orange endp with maps in purple. Col dj. 21.8 x 14.8 cm(8 1/2 x 5 3/4 in). Te stained pale brown. Uncut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ill list; fwd; 19 chs; concl.

De Monfried's adventures while pearling in the Red Sea, and including a bit of gun-running. Most space is devoted to pearling and thus provides a useful firsthand account of modern pearl fishing in this famous, and still productive region and of such little-known places as the Farsan Islands in the Red Sea, and with an anecdote on the discovery of diamonds on the islet of Kad-Ali, but without proof. The time frame is ca 1912-29. According to the dustjacket, De Monfried left France a "failure" in 1910, landing almost penniless in Abyssinia. He turned Moslem and in the Arab world went under the name Abd-El-Hai.

4539. -----1930(?), reprinted. Tp entirely in black lett; publ is Robert M.McBride & Company of New York; no date. 8°: xxv, blank f, 356p, blank f, No pls. Brown cloth, small logo on cover, gold lett spine. Front endp consists of 5 photos; back endp of one photo & sketch map. Col dj, with resume, biogr note, other works of publ. 20.8 x 14 cm(8 1/8 x 5 1/2 in). Te stained red. From dj: "'Romance of Far Places series, No.55. Price $1.00," JSL.

4540. -----1930, London

Pearls | Arms And Hashish | Pages From The Life Of A | Red Sea Navigator, | Henri De Monfried | [double rule] | Collected And Written Down | With A Foreword And | Conclusion | By | Ida Treat | [double rule] | London | Victor Gollancz Ltd | 14 Henrietta Street Covent Garden | 1930

8°: 439, [3 blank]p; photo front pl + 14 photos on 14 pls, all tip-ins. Black cloth, gold lett & star on spine. Tan endp with maps in black. Cut. 23.7 x 14.5 cm(9 3/8 x 6 1/8 in). JSL.

Cont: 1/2tp; tp; publ data; tab cont; ill list; fwd; 19 chs; concl.

4541. -----1931, Fr edit

Henry [sic] De Monfried | [rule] | Les Secrets | De La | Mer Rouge | Éditions | Bernard Grasset | 61, Rue Des Saints-Pères, 61 | Paris (IV^{e}) [1931]

8°: [4 blank], [4], 326, [1], [1 blank]p; front photo pl + 13 photos & ma on 9 pls, all tip-ins. White paper wrap, sailing vessel & blue lett on cover; other lett black;blue rules on spine, with price of 18 fr. 19.3 x 14 cm(7 5/8 x 5 1/2 in). Uncut. Badly yellowing paper. JSL.

Cont: 2 blank f; 1/2tp; tp; publ data; pref; 13 chs; tab cont; publ data.

P [iv]: "Il a été tiré de cet ouvrage: vingt-trois exemplaires sur vélin pur Fil Lafuma, numérotes vélin pur fil 1 a 15 et I a VIII, et cent deux exemplaires sur Alfa Mousse Navarre, tirés spécialment pour les "Sélections Lardanchet" et numérotés S.L. 1 a S.L. I et II." Last p: "La présente édition (9^{e} tirage) a été achevée de'imprimer... le vingt et un Juillet mil neuf cent trente-trois." Other versions not seen.

4542. -----1931(?), another Fr edit

[rule] | «Les Grands Aventuriers D'Aujourdhui» | [rule] | L'Ile Aux Perles | Par | Henry De Monfried | Avec douze illustrations | en héliogravure | [rule] | Éditions Bernard Grasset - Paris | [rule] [nd]

8°: 102, [2]p; 15 photos on 4 bound-in pls. Wraps with photos on front with central blue panel, b&w lett; similar on

spine & back. 19.5 x 14 cm(7 3/4 x 5 1/2 in). Cut. 3 fr 50. JSL.

Cont: tp; advert; 10 chs; tab cont; publ data.

"Ce volume... est constitué avec des passages du livre... Les Secrets de la Mer Rouge" and "Beaucoup des illustrations... le présent volume sont inedites."

4543. -----1933, Ital edit I segreti del Mar Rosso. Milano, 1933, 261 p, 16 pls. Not seen.

4544. -----1937 Pearl fishing in the Red Sea. *Nat Geogr*, 72, 5, Nov 1937, 597-626, 25 photos. Much useful information.

MONGEZ, A., see WICAR, J B J, et al

4545. MONNICKENDAM, A

Secrets | Of The Diamond | by | A.Monnickendam | With Illustrations | London | Frederick Muller Ltd | 29 Great James Street | W.C.I [1941]

8°: 216 p; 31 photos on 9 glossy tip-in pl(one is front); 1 fig. Bright blue cloth, white lett spine. Pale gray-blue dj, title & diamond on cover, resume, adverts. 21.7 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. 10 s 6 p. LC 43-23561. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; ill list; prolog; 12 chs; index.

Uncommonly informative popular work because written by a practising diamond cutter and diamond merchant in London, who in addition to these qualifications is also literate, accurate, and interesting. Much of the text necessarily presents common knowledge but the author intersperses it with many anecdotes from his personal experience. A very brief history of the diamond precedes five chapters that treat diamond deposits and mining in South Africa and several great figures in the industry as Barnato and Rhodes, while other chapters deal with famous diamonds, chicanery involving diamonds, cutting, the centers of cutting in Amsterdam and Antwerp, marketing, and a final chapter of anecdotes.

4546. -----1942(?)

Notes on | Diamond | Polishing [enclosed in orn scrollwork] | By | A.Monnickendam, F.N.J.A. | [orn] | Author of | "Secrets of the Diamond" [London, priv printed, nd, ca 1942]

Centerstapled: 24 p; 20 fig. Pale blue stiff wrap, advert on cover in purplish-red; advert inside back cover; printer back cover. 15.9 x 10.2 (6 1/4 x 4 in). Cut. JSL.

No title on cover; pages [1] & [3] adverts; p [2] color grading code for diamonds; title on p [4]. Describes steps in roughing, cutting, polishing, with line drawings.

4547. -----1955

The Magic | Of Diamonds | by | A.Monnickendam | F.N.J.A. | [orn] | London | Hammond, Hammond & Company [title in orn frame; 1955]

8°: 191, [1 blank]p; 28 28 photos on 9 glossy tip-in f(one is a panorama on a sewn-in doublef); 15 fig(identical to those in author's *Notes on Diamond Polishing*, above). Black cloth, embossed in cubic "illusion" pattern; pale blue panel on spine with silver lett & orn. 21.4 x 13.8 cm (8 1/2 x 5 1/2 in). Cut. 18 s. LC 56-860. Also in identical reprint that omits the blue panel on spine. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ill list; dedic; quot; pref; 14 chs; postscript; index; blank p.

Popular presentation on all aspects of the diamond and its industry and commerce from earliest times into the present, with most space devoted to the South African diamond and its mining, recovery of stones, disposition of same, etc, and with chapters on trade centers, cutting, and other aspects. On the whole, this work obviously and closely resembles the author's previous book and one may say it was intended as a replacement for same, brought up to date. In the postscript Monnickendam describes his first encounter with the General Electric synthetic diamond but is of the opinion that it would be "beyond the scientist's powers to produce an artificial diamond of that essential character [clarity] with which nature has bewitched mankind." Rev *J Gemm*, 5, 5, 1956, 269. A considerably later reprint, possibly in the 1960's, is covered with bright red cloth-type paper boards, gold lett & orn on spine, and col dj with large faceted gem, resume, advert, price 18 s.

4548. MONROE, PARIS & CO.

Pearl | Calculating Tables | (Metric Weight) | Compiled by | Monroe, Paris & Co. | 452 Fifth Avenue, New York [1913]

8°: iii, 220, [1 blank]p. Plain, almost black, blue, ribbed cloth. 17.1 x 14 cm(6 3/4 x 5 1/2 in). Cut. LC 13-16411. JSL.

Pocket reference for sellers of pearls: base price versus weight in grains to obtain values, from bp of $.05 for a 1-grain pearl to bp of $50.00 for 50.96 grains pearl, and up to 250 grains.

4549. MONTALVO, BERITA DE

"The Diamond Lady:" | A Quest for Diamonds. | By | Countess Berita de Montalvo. | Author Of | "A Trip to South Africa," and "Down the Robinson Gold Mine. | Johannesburg," | With An Introduction | By | Albert I.Barnett, | Organiser of the Quest for Diamonds in the Transvaal. | London: | Drane's, Danegeld House, | 82a, Farringdon Street, E.C. [nd, ca 1913]

8°: 146 p(front pl counted in pag?), [1 advert], [1 blank]p, the latter two p on glossy f + [32]p adverts on ordinary paper. Front photo glossy pl bound-in + 15 photos on 8 bound-in glossy f; 2 fig(one is the countess' coat-of-arms). Red cloth, white lett & camping scene on cover; white lett & arms on spine. 18.5 x 12.5 cm(7 1/4 x 4 7/8 in). Cut. Text paper is thick, blottery material. JSL.

Cont: front; tp; coat-of-arms; pref; sketch; introd; 21 chs; advert.

Recounts adventures during a dilettantish expedition to mine alluvial diamond claims along the Vaal River in the Transvaal of South Africa. Most space is taken up with descriptions of crudities of existence, boorishness of farmers, the beauties of nature, and only incidentally, how one goes about mining for alluvial diamonds. The introduction by Barnett is a tedious discourse on how he attempted to sell these claims but finally decided to dig in them himself to prove the existence of diamonds. Amusing but not informative.

MONTAÑA, JOSÉ FERNANDEZ, see ALFONSO X

MONTFAUCON, BERNARD(1655-1741)

Fr catholic priest, Benedictine Order, antiquary. *Biogr Univ*, 29, 536-9.

4550. -----1719 L'Antiquité expliquée, et representée en figures. Paris, Chez Florentin Delaulne, 1719. 2°; 5 vol in 19;

pls. Not seen. An enormous work of great erudition in which Montfaucon for the first time attempts to characterize ancient civilizations on the evidence of their art rather than on the basis of literary remains as was the case previously.

4551. -----1722, 2nd edit, Paris, "revue et corrigée," same publ, etc, not seen.

4552. -----1721-22, Engl transl

Antiquity | Explained, | And Represented in | Sculptures, | By The | Learned Father Montfaucon. | [rule] | Translated into English by | David Humphreys, M.A. | And Fellow of Trinity-College in Cambridge. | [rule] | Volume the First[-Fifth]. | [double rule] | London: | Printed by J.Tonson and J.Watts. | [rule] | MDCCXXI [-MDCCXXIII]. [title in red & black, enclosed in double rules]

2°: I: [23], 260 p; a-kz^2, l^1, A-Uuu^2; 98 engrav pls(17 fold). 40.6 x 25.1 cm(16 x 9 7/8 in). Cut. Cont: tp; dedic; pref; tab cont(to entire work; introd; text.

II: 284 p; A-Bbbb^2; 61 engrav pls(17 fold); 1 text woodcut.

III: 227, [1 blank]p; A-Lll^2, Mmm; 63 pls(14 fold).

IV: 193, [1 blank]p; A-Cccc^2; 46 engrav pls(23 fold).

V: 165, [29]p; A-Bbb^2, Ccc; 51 engrav pls (19 fold).

Montfaucon systematically treats every aspect of private and public life among the ancient Mediterranean civilizations as depicted in picture or sculpture. Subjects treated include gods, mythological characters, religious rites, feasts, processions, domiciles, buildings, domestic arrangements, military life & activities, transport, roads, ships, etc. Among such representations are the very many engraved gems that appear mostly in the first volume and which are largely taken from publications of Maffei, Beger, Gorlaeus, Chiflet, Capello, and Baudelot de Dairval. These are simple line drawings. The second volume, p 227-42, shows abraxoid gems on six plates. The third volume, p 143-6, provides brief comments on rings, among other forms of personal adornments, and discusses their types, uses, materials, and the gemstones mounted in them. Volume five, p 103-9, describes and depicts several very large cameos including the famous Apotheosis of Augustus. David Humphreys, the translator, was born in London in 1689, obtaining the MA from Trinity College, Cambridge in 1725, the DD 1728; d 1740.

Of the engraved gems, C W King, *Antique Gems and Rings*, I, 466 points out that "the section "Les Abraxas" gives plates of all the Gnostic gems previously published by Chiflet, Capello, &c., with very large accessions from recent sources. In Vol.iii. are figured an immense variety of rings of every description." Even earlier, P J Mariette, *Traité des pierres gravées*, I, 436-7, commented upon the gems, noting the large number depicted but also remarking on their poor designs and equally poor engravings. He also cites Montfaucon elsewhere when discussing other works on engraved gems in which questions as to the interpretation of mythological figures arose. A Furtwängler, *Die antiken Gemmen*, 3, 409, condemns the gems for the same reasons as Mariette, also noting the absence of any criticism of the gems by Montfaucon, who he claimed "provide nothing new, only badly copied drawings and engravings after earlier publications and a superficial, empty text." Similar terms are used by Vinet, 1450; mentioned by Goodland, 425-6; see also Zazoffs, *Gemmensammler*, 42-4.

4553. -----1724, supplement au livre de l'Antiquité expliquée... Paris: Chez la Veuve Delaulne, 1724, 2°: 5 vols; not seen.

4554. -----1725, suppl in English The Supplement to Antiquity Explained... London: printed by J.Tonson and J.Watts, 1725, 2°: 5 vols in 2, with continuous pag; pls; not seen.

4555. -----1757, French supplement reprinted, Vinet 1450; not seen.

4556. -----1772, Fr edit reprinted. Vinet 1450. Not seen.

4557. -----1807. A German condensation by Johann Ferdinand Roth, Nürnberg, Not seen, but described & depicted by Zazoffs, *Gemmensammler*, 175-6.

4558. MONTGOMERY, ARTHUR(1909-) The phosphate minerals of Fairfield, Utah. *R & M*, 45, 11, 1970, 667-74, photos, sketch map; no 12, 739-45; vol 46, 1, 1971, 3-9; no 2, 75-80, 19 ref. Describes the mineralogy of these handsome nodules which furnished fine polished specimens as well as raw material for making cabochons from the contained variscite. With geological and other notes. The author was an early miner of the deposit; biogr note by R S Mitchell, ibid, 57, 4, 1982, 160-1, portr.

4559. MONTIGNY, M DE

Pierres Gravées | [rule] | Collection | De | M.De Montigny | Dont La Vente Aux Enchères Publiques Aura Lieu | à l'Hôtel des Commissaires-Priseurs, rue Drouot, n°9 | Salle N°3, Au Premier Étage | Les Lundi 23, Mardi 24 et Mercredi 25 Mai 1887 | à deux heures précises. | [rule] |...| Paris - 1887

4°: [2 blank], VI, 70, [2 blank]p; 6 high quality photo pls. Pale blue wrap, 26 x 17.5 cm(10 1/4 x 6 7/8 in). Uncut. USGS Kunz Coll.

Cont: blank f; tp; print data; tp; sales cond; pref; cat; blank p; index; blank f.

Lists 872 items, engraved gems 791, remainder medals, bronzes, books.

MONTOCCHIO, H, see O'DONOGHUE, M, et al, 1977

4560. MONTON, BERNARDO Spanish author of a very popular book of "Secrets" or recipes, which first appeared in Madrid in 1734 according to the dates given in the 1760 edition described below. A copy of the 1758 printing in DeGolyer Coll, U Okla.

4561. -----1744, Lisbon Segredos das artes liberales, e mecanicas recopilados, e traduzidos de varios authores selectos, que tratao de fisica, pintura,aquitectura, optica, quimica, douradura, archaroado, com outros varias curiosidades proveitosas, e divertides... vertido de Castehano em Portuguez por Joaquim Feo Cerpa...Lisboa, com privilegio Rea. [1744], 8°: [34], 343, [1]p. "Palau 179426 cites this, the only Portuguese edition... which passed through many editions before being translated from the original Spanish." Not seen; from Phelps, London, Cat 26, 1986, no 173.

4562. -----1760

Secretos | De Artes Liberales, | Y Mecanicas, | Recopilados, Y Traducidos | de varios, y selectos Autores, | Que Tratan De Phisica, | Pintura, Arquitectura, Optica, Chimica, Dora- | dura, y Charoles, con otras varias curiosi- | dades ingeniosas. | Su Autor | El Lic. Don Bernardo Monton, | [orn] | [rule] | Con Licencia. En Madrid, en la Imprenta, y | Librerìa de Joseph Garcia Lanza, Plazuela del | Angel, donde se hallará. Año 1760.

8°: [8], 186, [21], [1 blank]p; |^4, A-N^8. 14.2 x 10 cm(5 5/8 x 3 7/8 in). Cut. JSL.

Cont: tp; approb & lic; errata; license; text; index; blank p.

The recipes cover many scientific/technological areas but there is also much to interest the gemologist because many recipes call for the bleaching or coloration of marbles, alabasters, and gemstones, while others give directions for manufacturing fake gemstones, generally by preparing glass melts to which suitable pigmenting impurities are added. Also contained herein are dye processes, restoring color in stained turquoise, coloration of quartz by heat-cracking & infusion of dye solution, improving luster of pearls, etc. K Nassau, *Gemstone Enhancement*, 18-9, discusses this work and provides a reproduction of the titlepage.

MOODEY, M W, see MERRILL, G P, 1922

4563. MOON, FREDERICK WILLIAM; SMITH, W CAMPBELL & SPENCER, LEONARD JAMES

Ministry Of Finance, Egypt. | [rule] | Geological Survey of Egypt. | [rule] | Preliminary Geological Report | On | Saint John's Island | (Red Sea) | By | F.W.Moon, B.E., A.M.I.C.E., M.I.P.T., F.G.S. | [rule] | With Appendices: | I. A Description of the Peridotites and Associated Rocks | By | W.Campbell Smith, M.C., M.A., F.G.S. | II. A Description of a Davyne-like Mineral and its | Pseudomorphs | By | L.J.Spencer, M.A., Sc.D., F.G.S. | (With Chemical Analyses by E.D.Mountain, B.A., and Microscopical | Examination of the Pseudomorphs by W.Campbell Smith, M.C., M.A., F.G.S.) | [rule] | Government Press, Cairo, 1923. | [rule] | To be obtained, either directly or through any Bookseller, from | the Government Publications Office, Ministry of Finance, | Darawîn P.O., Cairo. | Price - - - - - -P.T.10.

8°: IV, 41, [3]p; 12 photo pls(26 photos) tip-in; col geol map of island, fold(52 x 63.7 cm or 20 1/2 x 25 1/8 in), in linen pocket inside back cover. Pale brown paper over bds, green cloth spine, cover title. 26.6 x 18.6 cm(10 1/2 x 7 3/8 in). Cut. JSL. GS 24-42.

First authoritative geological-mineralogical description of the famous deposits of gem-quality peridot crystals that occur upon the desert island of St John's or Zeberged, Zeberget, etc, located in the Red Sea. In antiquity, according to Pliny, it was known as Topazion. Describes geography, climate, topography, underlying rocks and formations, the peridotites in which occur the cavities containing the crystals, etc. There are many photographic views, including one of the shallow diggings for peridot.

4564. MOORE, G E & ZEPHAROVICH, V VON Kallait Pseudomorph nach Apatit aus Californien. *Zs Krist*, 10, 2-3, 1885, 240-51, 2 fig. Describes hexagonal prisms of turquoise replacing apatite from NW side of Taylor's Ranch, Chowchilla River, Fresno County, California; these were found by J D Whitney in 1864.

4565. MOORE, ISABEL, *editor*

Creative Crafts from | Rocks & Gemstones | [col photo] | Marshall Cavendish London & New York [1976]

8°: [1 blank], [2], [1 blank], 72, [3], [1 blank]p; the first and last f serve as pastedown endpapers; 80 col photos; 3 b&w photos. Black, cloth-type paper over bds; gold spine title; greenish-ink photos on both endp. Col dj, resume. 29.5 x 21.5 cm(11 1/4 x 8 1/2 in). Cut. £ 1.99. ISBN 0 85685 175 2. JSL.

An "inspirational" rather than instructional book, simply written, covering much but with insufficieat detail to be useful. Topics: collecting,mineralogy, tumbling of gemstones, cabochon & facet work, jewelry making, gemstones used to ornament large objects. There is no guidance to other books, equipment or raw material suppliers.

4566. MOORE, LOUISE IVORY

Diamonds [orn] | In | History | and | Romance | [orn] | By Louise Ivory Moore | [orn] | Chicago | The Schulte Company | 323-325 Dearborn Street [1897]

4°: [47], [1 blank]p; 5 tip-on glossy pls(one is front); numerous text vignettes & ch orns. Text headings in green. Pale green cloth, orn title on cover. 20 x 14.2 cm(7 7/8 x 5 5/8 in). Teg; fe deckled. Except for 2 f, all lettpress rectos only & versos blank. JSL.

Cont: 1/2tp; front; tp; publ data; ill list; dedic; text; blank p.

The text is a single poem tracing the romantic history of the diamond and including stanzas on famous diamonds. Handsome production, lavishly ornamented.

MOORE, NATHANIEL FISH(1782-1872)

USA classicist, educator; b Newtown, Long Island; grad Columbia Coll 1802; trained in law but career primarily devoted to study of classics; prof Greek & Latin Columbia Coll 1838-; apptd president of same 1842; resigned 1849; authored numerous works on the classics.

4567. -----1834

Ancient Mineralogy: | Or, | An Inquiry Respecting | Mineral Substances | Mentioned By | The Ancients: | With | Occasional Remarks | On | The Uses To Which They Were Applied. | [rule] | By N.F.Moore, LL.D. | Professor Of The Greek And Latin Languages In Columbia | College, New York. | [rule] | New York: | Published By G. & C.Carvill & Co. | [rule] | M DCCC XXXIV.

12°: 192 p. Dk green moire cloth, gold spine lett with orns. Orange endp. 18 x 11.7 cm(7 1/8 x 4 5/8 in). Cut. Also in purplish-brown pebbled cloth, slightly smaller p size, JSL; Ward & Carozzi 1606; LC 1-5496; Agassiz III, 618.

Cont: laminated flyleaf; single flyleaf; tp; publ data; pref; text; index; flyleaves as before.

Moore begins his study with a general discussion of mineralogical knowledge possessed by the ancients, stating(p 13) "it is proposed to make Pliny the basis of the following remarks, and, without confining ourselves very closely to this order, to combine in a sort of commentary upon the mineralogical portion of his last five books, whatever in Theophrastus, Dioscorides, and others, shall appear to deserve notice, as connected to our subject." Accordingly, Moore inserts headings in the text when radical changes in subject matter occur, with the result that it all seems incoherent but actually causes but slight difficulties in following his excerpts and their commentaries. The gemological reader should particularly pay

attention to the sections on marbles, p 77-8, amber & jet, 105-7, and an excellent discourse on gemstones in general, 136-87, with a list of Pliny's gemstones appearing on 178-83, and all of them commented upon. All in all, about 200 minerals, gemstones, and substances commonly classed with minerals may be found in the pages of this early American masterpiece, each section reflecting the devotion of the author to the classical languages of which he was master and imparting along the way much valuable information on the derivation of names and the identifications of minerals known to the ancients. The interpretive value of Moore's work is reflected in the many times that this treatise is cited in subsequent works on mineralogy and gemology, especially as pertaining to nomenclatural problems, as for example in the several *Systems* of J D Dana. There is no bibliography but references to pertinent works, some of considerable antiquity, are furnished in footnotes. The index lists only minerals described in the text.

The Late George W White, provides a critique of this work in his "The history of geology and mineralogy as seen by American writers, 1803-1835," *Isis*, 64, 222, 1973, 197-214, and also gives a vita of Moore as well as discussing its salient features. He calls attention to the fact that the book "is notable for the citations of almost all of the ancient writers from Homer to Vitruvius and for the most exact references in the text and in the footnotes."

4568. -----1859, 2nd edit

Ancient Mineralogy; |... | With Occasional Remarks | On | The Uses To Which They Were Applied. | By N.F.Moore, LL.D. | Second Edition. | New York: | Harper & Brothers, Publishers, | Franklin Square. | 1859.

8°: 250, 5 [advert], [3 blank]p. Brown, or olive-green pebbled cloth, embossed in Greek key frames, gilt lett spine with blind bands & Greek key borders. Bright yellow endp. 16.8 x 10.7 cm(6 5/8 x 4 1/4 in). LC 12-1664 rev; JSL; DeGolyer Coll, Okla U. Also in blackish-brown cloth, blind horizontal bands across spine.

Entirely reset; text virtually unchanged; several new headings inserted; gemstone discussion now extends over p 183-245.

4569. ----- 1859, 2nd edit, London

Ancient Mineralogy; | Or, | An Inquiry Respecting | Mineral Substances mentioned by the Ancients: | With | Occasional Remarks On The Uses To Which | They Were Applied. | By N.F.Moore, LL.D. | Second Edition. | London: | Sampson Low, Son, & Co., 47, Ludgate Hill. | New York: Harper & Brothers. | [rule] | 1859.

8°: iv, [1], [1 blank], [1]p + p 8-250 + 12 advert p. Brown, pebbled cloth, blind frames on covers, gilt spine title; yellow endp. 17.6 x 11.1 cm(6 7/8 x 4 3/8 in). Uncut.

Cont: tp; prefs to both edits; text; adverts.

Only the title has been reset; publ data no longer present on reverse of tp.

4570. -----1978 Reprinted, New York: Arno Press, in their "History of Geology" series. Hardcover. LC 77-6532; ISBN 0-405-10452-9. $15.00. Not seen.

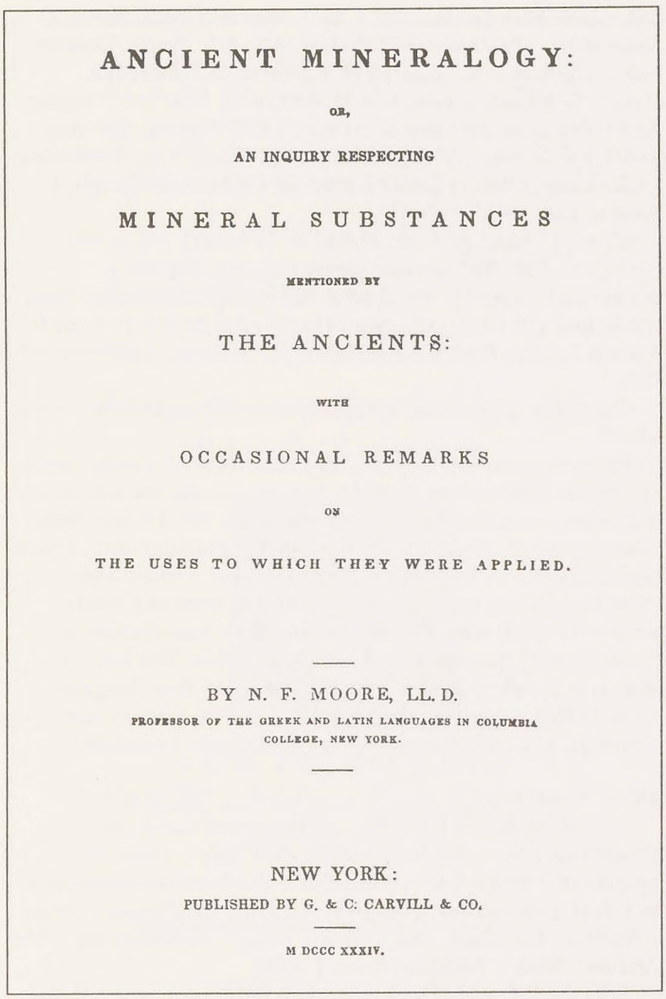
4571. MOORE, W S

Stone Collecting | and | Lapidary Cutting | By | W.S.Moore | [orn] [priv publ(?), 340 Queen Street, Brisbane, nd, ca 1972]

Centerstapled: 60 p; 57 fig(2 maps, 1 col); 11 col photos. Thick white paper wrap, col gemstone map of Australia on cover, black lett. 21.5 x 13.9 cm(3 1/2 x 5 1/2 in). Cut. 18/6. JSL.

Cont: front col pl; tp; publ data; pref; tab cont; 13 chs.

First 4 chapters on how to collect, tools, preparations, etc, while remainder on lapidary equipment, cabochon work, faceting, lapping, tumbling, carving, intarsia work. Plain language, easily understood, but far too brief to be helpful.



ANCIENT MINERALOGY:

OR,

AN INQUIRY RESPECTING

MINERAL SUBSTANCES

MENTIONED BY

THE ANCIENTS:

WITH

OCCASIONAL REMARKS

ON

THE USES TO WHICH THEY WERE APPLIED.

BY N. F. MOORE, LL. D.

PROFESSOR OF THE GREEK AND LATIN LANGUAGES IN COLUMBIA COLLEGE, NEW YORK.

NEW YORK:

PUBLISHED BY G. & C. CARVILL & CO.

M DCCC XXXIV.

4567. First edition titlepage of Moore's treatise on the minerals known to the ancients with much attention paid to the gemstones

MOOREHEAD, WARREN KING(1866-1939)

B Siena of USA parents; educ USA; DSc Denison U; hon MA Dartmouth U 1901; DSc Oglethorpe U 1927; conducted numerous field excavations on Indian archeological sites in central & western USA; publ many papers; "it is probable that no one person aroused more interest in North American archaeology and Indian relics... in the first quarter of this century," Earl C. Townshend, Jr, *Birdstones*, 1959, 5, which see.

4572. -----1900

Prehistoric Implements. | A Reference Book. | A Description of the Ornaments, Utensils, and Implements of Pre- |

Columbian Man In America. | By | Warren K.Moorehead, | Assisted by | Professor G.H.Perkins, Mr. A.F. Berlin, Doctors L.G.Yates And | R.Steiner, The Reverend H.C.Meredith, Messrs. G.E.Laid- | Law And M.Wilkinson, Doctor J.F.Snyder, And | Professor T.H.Lewis. | [rule] | 621 Figures, Showing 3,000 Specimens. | [rule] | The Robert Clarke Co., Publishers, | Cincinnati, Ohio. | [rule] | Press of | Allen I.Vosburgh, | Saranac Lake, N.Y. [1900]

8°: xv, [1 blank]p + p[17]-431 + [1 blank], [8] p; 621 fig(Figs 4, 203, 223 are fold glossy f tip-ins; Fig 203 is double-fold). Front portr pl of author tip-in. Pale brown cloth, red leather gilt label; pale green floral endp. 24.9 x 17.3 cm(9 3/4 x 6 3/4 in). Cut. LC 0-4216. P [ii] "Edition, 2,050 copies." JSL.

Cont: front; tp; publ data; pref; tab cont; errata; text; index; advert.

Enormous, essentially pictorial presentation of a wide variety of objects. First section provides general remarks on collecting & collections, ceramic objects, specimens from SW United States, manufacture of effigies, problem objects, ornamentation of shell, perforated stones, etc. Other sections discuss artifacts from several regions in the United States and in areas of Canada. Section 13 deals with flint objects and their manufacture as at the celebrated quarries atop Flint Ridge, Ohio. The last, 14th section is an addendum discussing frauds and their detection, among other miscellany. Illustrations comprise photos, line drawings, and cuts. Gemstones are abundantly represented.

4573. -----1905

Prehistoric Relics | [rule] | An Illustrated Catalogue Describing | Some Eight Hundred And Fifty | Different Specimens | [rule] | Compiled From the Standard Authorities in | Archaeology. One Hundred and Forty Six Figures | [rule] | By Mail, Post-Paid, One Dollar | [rule] | Published By | The Andover Press | Andover, Mass. [1905]

Edgestapled: 165, [3 blank]p; 146 fig(photos, cuts); fold glossy f between 48-9. Pale gray wrap, framed title on cover; spine title. 24.1 x 15 cm(9 1/2 x 6 in). Cut. USGS Kunz Coll.

Cont: tp; tab cont; pref; 18 chs; biblio(p 163-5, ca 45); 3 blank p.

Largely objects made from stones of various types: arrowheads, spear points, axes, pipes, pestles, ornamental & ceremonial objects, shell & bone artifacts, pottery, and others.

4574. -----1910

The Stone Age | In North America | An Archaeological Encyclopedia Of The Implements, | Ornaments, Weapons, Utensils, Etc., Of The Pre- | Historic Tribes Of North America, With More | Than Three Hundred Full-Page Plates And | Four Hundred Figures Illustrating Over | Four Thousand Different Objects | By | Warren K.Moorehead, A.M. | Curator Of The Department Of American Archae- | Ology, Phillips Academy, Member Of The | Board Of Indian Commissioners, Etc. | In Two Volumes | Vol. I[-II] | [logo] | Boston And New York | Houghton Mifflin Company | The Riverside Press Cambridge | 1910

8°:I: xii, [1], [1 blank], 457, [1 blank], [1], [1 blank]p; 398 fig (5 col figs printed separately & mounted on hinges with tissues, bound-in; 7 sepia-tint printed tissues bound-in). Fig 102 is front; except for 102, all includ in pag. Fig 292 is double-fold thin paper. Olive-green cloth, gilt orn in center of front cover; spine title. 24.8 x 18.6 cm(9 3/4 x 7 1/4 in). Cut. II: vi, [1], [1 blank], 417, [1], [1 blank]p; figs 399-723; one col pl as above; Fig 223 is front; 6 figs in sepia as above. JSL.

Cont: I: 1/2tp; front; tp; publ data; pref; contrib list; tab cont; text tp; text; print data; blank p. II: 1/2tp; front; tp; publ data; tab cont; text tp; text; biblio(p 369-410), index; print data; blank f.

Although by far most objects are made from stone and gemmy materials as chalcedony, obsidian, etc, there is no separate discussion of such materials, instead the author describes and comments on stone objects on the basis of their mode of manufacture, ie, chipping or grinding, but in the second volume devotes separate chapters to objects made from shell, bone, copper, textiles, pottery, and hematite. Broad discussions of the manifestations of the Stone Age in North America follow with several chapters of concluding remarks. An enormous amount of material on gemstones is in the text but it must be sought for. However, there is a good discussion of the Flint Ridge, Ohio colorful chalcedonies and also remarks on obsidian, rock crystal, turquoise, jade, hematite, pearl, shell, catlinite, amber, etc. The large bibliography contains some references to gem materials.

4575. -----1912 *Phillips Academy, Andover, Mass, Dept of Archaeology Bulletin VI.* Hematite implements of the United States, together with chemical analysis of various hematites. The Andover Press, 1912. 4 p, 1, p 11-97, [1]p, ill, pls(1 fold); fold map. 23 1/2 cm. LC 13-1823. Not seen.

4576. -----1917

Stone Ornaments | Used By Indians In The United States | And Canada | [rule] | Being A Description Of Certain Charm Stones, | Gorgets, Tubes, Bird Stones And | Problematical Forms | [rule] | By | Warren K.Moorehead | Author Of The American Indian In The United States - | Period 1850-1914; The Stone Age In | North America; Etc. | With Chapters By | Arthur C.Parker, Esquire, | And | Professor Edward H.Williams, Jr. | [rule] | 1917 | The Andover Press | Andover, Mass.

8°: [3], [1 blank], [1]p + p 10-448 + [1 advert], [3 blank]p; 265 fig (5 fig on pls, 2 col, 1 b&w, 2 sepia, all tip-in; Figs 202-4 are sketch maps of E USA on single, tan, translucent fold sheet, tip-in; Figs 205, 208-10 folded, tip-ins; many outline & sketch figs in margins throughout chs 23 & 24; many figs multiple, many not in numerical order. Olive green cloth, gold title & orn on cover within blind edge frame; gold spine title. 24.5 x 18.5 cm(9 5/8 x 7 1/4 in). Cut. LC 17-6240. JSL. Lett dj.

Cont: tp; publ data; col pl; tab cont; fwd & ackn; 33 Chs(Ch 33 biblio, ca 525 entries); index; advert; 3 blank p.

"The author has spent his spare time for many years in the study of the unknown or problematical forms made and used by prehistoric man, and this volume is offered as a result of such labors." The first chapter explains the need for this publication, with the second chapter describing how the author prepared for and conducted his studies. The third chapter concerns problems of identification and classification of forms, while Ch 4 discusses their manufacture, the stone raw materials used, and probably sources of same. Chs 5-19 describe and discuss the various form-types and following chapters recount finds made in Indian mounds, use of ornaments by the American Indian, areal

distribution of the objects, their ages & patinas, special collections, an account of the banner-stone by Dr G B Gordon, unique forms, fraudulent specimens, and conclusions in which the author embodies his theory as to meaning and use of the so-called "winged stones." The illustrations, always a strong feature of Moorehead's publications, are generally of very good quality, including the color plates, while the sepia and b&w plates are excellent. As before, the author does not discuss gem materials separately, but again the book contains much about them if one patiently searches for same.

4577. MOORTGAT, A Assyrische Glyptik des 13 Jahrhunderts. *Zs f Assyriologie*, 13, 1942, 50-88; ibid, Assyrische Glyptik des 12.Jahrhunderts, 14, 1944, 23-44. Not seen.

4578. MORAES, LUCIANO JACQUES DE Algumas jazidas de diamante no norte de Minas Geraes. *Serviço Geologico e Mineralogico do Brasil, Bol 24*, Rio De Janeiro, 1927, p 49-65, 8 photos on 6 tip-in pls; 6 fig; sketch map. JSL. Describes several diamondiferous alluvial deposits in the north of the State of Minas Gerais, Brazil: geology, alluvia, methods of washing and including remarks on stream diversions, satellite minerals, and forms and defects of the diamond crystals.

MORAES, L J, see LEONARDOS, O H, 1936

4579. MORAES, LUCIANO JACQUES DE & GUIMARES, DJALMA Geologia da região diamantifera do norte de Minas Geraes. *Academia Brasileira de Sciencias, Annaes*, 2, Rio De Janeiro, 1930, 153-86. See below entry.

4580. -----1931 The diamond-bearing region of northern Minas Geraes, Brazil. *Econ Geol*, 26, 1931, 502-30, sketch map, 12 fig. JSL. Covers the same ground as Moraes entry above.

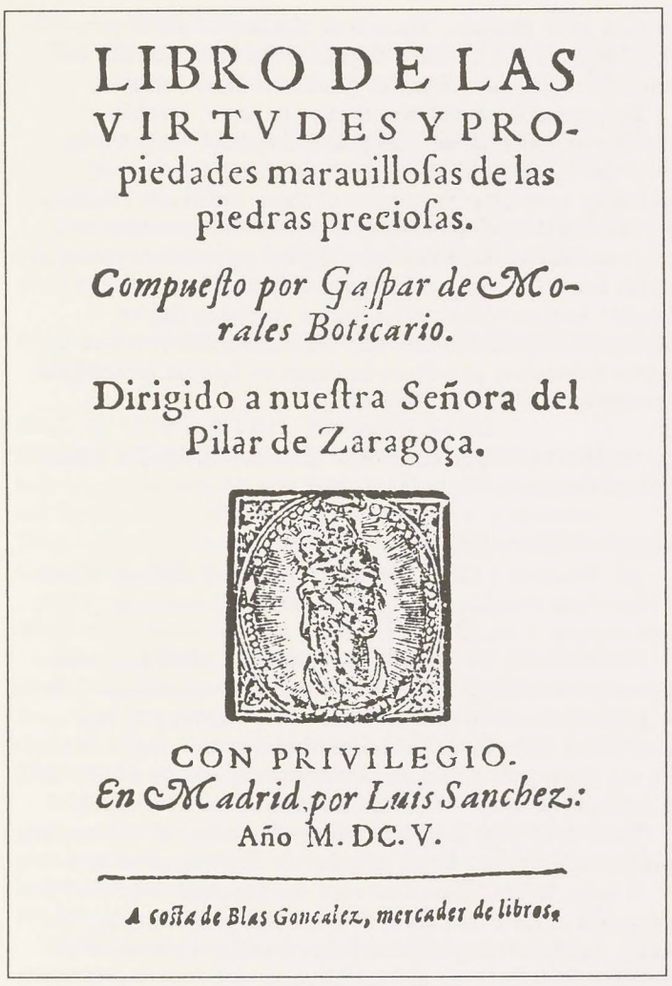
4581. MORAES, LUCIANO JACQUES DE & OPPENHEIM, VICTOR Depositos diamantiferos no norte do Estado de Minas Geraes. *Departamento Nacional da Producção Mineral, Serviço de Fomento da Producção Mineral, Bol 3*, Rio De Janeiro, 1934, 77 p, 30 pls. USGS 35-155. JSL. More detail on the alluvial diamond deposits of north Minas Gerais, with remarks on carbonado and the diamond industry in Brazil. From page 63, Oppenheim provides a detailed study of the deposits of Rio Abaeté. The plates show geological sections, view of diggings, rock outcrops, and scenes of mining and miners.

MORALES, or MORALES BOTICÁRIO, GASPAR DE, alias ALBERO(fl 16th c)

Native of Spain; stud medicine & other subjects at Alcala U, obtaining degree of Master of Arts; traveled in Italy & Sicily; pharmacist in Paracuellos 1598-1605. *N Biogr Gen*, 36, 444. The alias Albero is given by Maffei & Figueroa, 1, 486, no 1683, who also state that the rarity of the work in part is due to its being placed on the prohibited list in "*Indice expurgatorio de 1790.*" Gatterer II, 25; Hoover list.

4582.-----1605.

Libro De Las | Virtvdes Y Pro- | piedades marauillosas de las | piedras preciosas. | Compuesto por Gaspar de Mo- | rales Boticario. | Dirigido a nuestra Señora del | Pilar de Zaragoça. | [woodcut vignette of the Virgin, with child] | Con Privilegio. | En Madrid, por Luis Sanchez. | Año M.DC.V. | [rule] | A costa de Blas Gonçalez, mercador de libros.


LIBRO DE LAS
VIRTVDES Y PRO-
piedades marauillosas de las
piedras preciosas.

Compuesto por Gaspar de Mo-
rales Boticario.

Dirigido a nuestra Señora del
Pilar de Zaragoça.

CON PRIVILEGIO.
En Madrid, por Luis Sanchez:
Año M. DC. V.

A costa de Blas Goncalez, mercader de libros.

4582. Earliesst monograph on gemstones published in Spain and emphasizing belief in their magical powers

8°: [8], 378 [recte, 372], [4] f; A-Aaa^{8}. About 24 misfoliations; various missignings, notably in L1. 14.6 x 9.2 cm(5 3/4 x 3 3/4 in). Cut, cropped. Woodcut ch orns. JSL.

Cont: tp; tassa & errata; approb; privilege; dedic; epigram; sonnet praising Morales by Dr Pedro Loçano; text in 3 bks; tab cont; colophon ["En Madrid, | Por Luis Sanchez: | Año 1604.]; blank p.

This is the earliest monograph published in Spain on gemstones(and other stones) believed to possess magical powers. Thorndike, *History of Magic*, 7, 241-2, characterizes the work as "primarily a compilation... [which]... cites ten or a dozen past authorities for each stone," eg, Pliny, Dioscorides, Galen, Solinus, Albertus Magnus, etc. The first book begins with the occurrences of gemstones, their composition, and other material aspects, followed by discussions of cultural/mystical significance of gemstones, astrological relationships, Biblical gemstones, then gemstone properties as transparency, durability, hardness, density, methods of discrimination of false from real, the question of whether or not gemstones actually possess the powers attributed to them, and how one tests for same or

predicts their existence. There is an alphabetical list of gem and other stone colors. The last chapter of the first book also has much to say on the efficacy of gemstones in medicines.

The second book devotes chapters to jasper, sapphire, chalcedony, emerald, sardonyx, sard, chrysolite, beryl, topaz, chrysoprase, alectorius, turquoise, coral, and many others, including a considerable number of those whose true identities are now matters of speculation. The third book contains even more curious stones, many being figured or patterned stones in which fancied images occurred or which displayed traces of interior fossil structures. Morales was careful to cite his authorities at all times, and with the considerable detail on the stones themselves, provides a landmark of Spanish gemological knowledge at the time. Very rare.

4583. MORASSI, ANTONIO Il tesoro dei Medici. Milano: Silvana Editoriale d'Arte, 1963. Not seen.

4584. -----1963, USA edit

Art Treasures | Of The Medici | Text By | Antonio Morassi | New York Graphic Society | Greenwich, Connecticut [1963; title in sepia & black]

Cementb: [4], 38, [3], [1 blank], [2]p. + [55]f each with a recto tip-on col pl (Pl 55 is double), explan verso (v last f blank) + [4]p; 8 dk brown photos in text; col pl tip-on p 3. Pale grayish-tan unfin cloth, gold cover & spine titles. Green & white dj, col photo gold object on cover; resume; other publ bks. 29.4 x 22.9 cm(11 5/8 x 9 in). Cut. $20.00. LC 63-16434. JSL.

Cont: 1/2tp; tp; publ data; ackn; text; biblio of 125 entries; pls tp; explan & pls; blank p; index tp; ill index; print data.

A large, lavishly illustrated work on important objects of art preserved in the Pitti Palace, Florence and part of the Medici family treasure. The preliminary text provides a history of the family and its fortunes, the development and flowering of their interest in the arts, and remarks on the many artisans whose works are represented in the collection. Concerning the last, brief biographical notes are taken from Vasari's *Lives*, among other sources. The majority of the objects are vases, urns, other types of containers, reliquaries, etc, made principally from gemstones, especially the chalcedonic varieties of quartz, but also lapis lazuli and rock crystal. Many are large and important, indeed the collection ranking among the best in the world in respect to such objects. An excellent article on the gemstone vessels in the Pitti Palace is Walter Holzhausen's "Florentinische Halbedelstein-Gefässe im Palazzo Pitti," *Pantheon*, 2, 1, Jan 1929, 16-24, 11 fig.

4585. -----1964, Paris

Le Trésor | Des Médicis | Orfèvrerie · Argenterie · Pierres Dures | Par Antonio Morassi | [logo] | Office Du Livre · Fribourg | Exclusivité France Et Union Française: | Société Française Du Livre · Paris [1964; title in sepia & black]

Cementb: 50, [2]p + [55] f as before + [2]p. Cloth like above, but red & white dj, with col photos of lapis lazuli object on cover; resume, other publ bks, P Size same, JSL.

Cont: 1/2tp; tp; publ data & transl note; pref; text; notes; biblio(p 43-7, 116 entries in chrono order); ill lists; pls title; explan & pls; tab cont; print data. Transl by Renée Charavel; footnotes now gathered in one place.

4586. -----1964, London

Art Treasures | Of The Medici | Jewellery - Silverware - Hard-Stone | Text By | Antonio Morassi | Oldbourne Press - London [1964; title in sepia & black]

Identical to 1963 edit; London publ on spine & dj; dj lists bks in the "Silvana Collection;" price 6 gs.

4587. -----1969, another London edit

Art Treasures | Of The Medici | Text By | Antonio Morassi | [logo] | The Abbey Library - London [1969; title in sepia & black]

Identical to 1963 edit; price £ 2.10.

4588. MORAWSKI, ZYGMUNT Z.M. Bursztyn. *Przyrodnik*, Tarnow, R 3, nr 1, 1882, 11-14; nr 2, 24-30; nr 3, 41-6; nr 4, 59-62. Not seen.

4589. MORDTMANN, A D Studien über geschnittene Steine mit Pahlevi-Inschriften. *Zs dt Morgenländische Ges*, Leipzig, 18, 1964, 1-52; 31, 1977, 582-97. Not seen.

4590. MOREAU, L

Bibliothèque Des Professions Industrielles Et Agricoles. | [orn rule] | Guide Pratique | Du Bijoutier | Application | De L'Harmonie Des Couleurs | Dans | La Juxtaposition Des Pierres Précieuses | Des Émaux | Et De L'Or De Couleur | Par | L.Moreau | Bijoutier-Dessinateur, | Membre de la Société du Progrès de l'Art Industriel. | [orn rule] | Paris | Librairie Scientifique, Industrielle Et Agricole | E.Lacroix, Éditeur, | Libraire de la Société des Ingénieurs civile. | 15, Quai Malaquais, Et 295, Rue Saint-Martin. | [rule] | 1863 | Tous droits réservés.

"Arts et Métiers, Serie G, N° 23", from wrap.

8°: 108 p; tabs. Bright blue wrap, title in frame on cover; back cover adverts; spine title. 18.7 x 11.9 cm(7 3/8 x 4 5/8 in). Uncut. USGS Kunz Coll, GS 33-343. Also in pink wrap, with "Hetzel" as publ; the wrap claims it to be "nouvelle edition" but I could find no differences in text; this issue with 16 p of adverts, price Fr 2 in paper, Fr 5 in cloth(not seen). JSL.

Cont: blank f supplied + 1/2tp; advert; tp; introd; text; notes; tab cont + supplied blank f.

The purpose of this interesting and in some ways, unique work is to explain to jewelers the principles governing color harmony and thus how certain combinations of gemstones, enamels, and colored golds may be jarring to the sensibilities while others are pleasing. The gemstones themselves are treated in the third part, p 47-94, commencing with a note on the "best" or "gem" colors of the various gemstones, followed by brief descriptions of the principal gemstones, to which are added turquoise, pearl, coral, and jasper. There are tables showing color associations involving gems, and how the juxtapositions influence the apparent color of the gems and the final results that may occur.

MOREAU-GOBARD, J C, see LION-GOLDSCHMIDT, D

MORELLI, B, see LEGRAND, J

4591. MORENZ, OSWALD(1905-)

O.Morenz | Wie kauft man | Edelsteine | Perlen | Schmuck? | Das Buch der Praxis | [logo] | Econ-Verlag | Düsseldorf · Wien [1966]

8°: 216 p; 12 col photos on 12 glossy bound-in f; 3 fig(1 graph), Dk red cloth, black panel & gold lett on spine. Col dj, photo on cover; resume, vita. 20.5 x 13 cm(8 1/8 x 5 1/8 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; introd; text; append; index; subj index.

This book aims to acquaint the reader with all factors influencing the determination of the final price asked for gemstones, pearls, and jewelry, and thus assist him in making purchases wisely. Topics: general trade statistics in Germany and elsewhere, diamond, to which an entire chapter is devoted that includes scientific, technical, and commercial background, colored stones, methods of pricing,pricing of pearls, insurance problems, and future of the gem industry. Appendix: tables of gem colors, standard forms of cut, glossary, officials in Germany charged with trade regulation. Prices given for many items but stated as ranges and without qualifications as to color, flaws, size, etc; exception, the diamond, but the price table is short and really not helpful.

4592. -----1967, 2nd edit, not seen

4593. -----1970, 3rd edit

O.Morenz |...| Dritte, revidierte Auflage von | "Wie kauft Man Edelsteine, Perlen, Schmuck?" | mit dem neuen Kapitel | "Diamanten, Farbsteine und Schmuck als Kapitalanlage" | Econ [Düsseldorf u Wien: Econ-Verlag GmbH, 1970]

8°: 224 p; same ill. Red cloth, similar spine panel; pale green col dj, resume, vita. P size same. DM 4.85. ISBN 3 430 16810 4. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; introd; text; append; indexes.

Publ history: 1 to 6000 Sept 1966, 7-9000 Jan 1967, 1-13000 Oct 1970. Revised & reset; new chapter on gemstones & jewelry as investments; several col pls exchanged for others. Rev *J Gemm*, 13, 8, 1973, 331.

4594. MORGAN, ALFRED On gems and precious stones. *Proc Literary & Philosophical Soc of Liverpool*, 62nd Sess, 1872-3, no 27, London & Liverpool, 1873, p 175-214,] fig. Popular introduction: gemstones in antiquity, curious lore, birthstones, Biblical gemstones, properties, cutting, occurrences, composition, etc.

4595. MORGAN, HARRY TILTERTON(1872-)

The Story of Jade | "Jade, the Jewel that grants all desires in | this world and the next." | Edited and Copyrighted | By | H.T.Morgan | 1941

No place given but C Denman gives "Broadway Press, Los Angeles."

Centerstapled: 16 p; 6 line drawings. Green,thick paper wrap, pale grayish lett & column of Chinese characters on cover. 12.1 x 9.6 cm(4 3/4 x 3 3/4 in). Cut. Printed in green ink. JSL.

Short, general history, with illustrations of carvings and meant for free distribution by Quon-Quon Company, 843 South Los Angeles Street, Los Angeles, California. Born, 242-3; Yang 1702, 1703.

4596. -----1944, revised

The Story Of Jade | [star] | [same quot] | [star] | Edited and Copyrighted 1944 | by | Quon-Quon Company | Los Angeles 15 [sic]

Centerstapled: 16 p, 6 line drawings. Pale green wrap, dk green lett & characters on cover. Text ink black. 12.2 x 9.6 cm(4 3/4 x 3 3/4 in). JSL.

Completely rewritten; 5 of original 6 drawings redone for the worse; another drawing substituted for original Buddha; author's name no longer appears.

MORGAN, ~~JAMES~~ John PIERPONT, see WILLIAMSON, G C, 1910

4597. MORGENSTERN, JOHANN KARL SIMON(1770-1852) Erklärungsversuch einer noch nicht bekannt gemachten Abraxas-Gemme. Dorpat, Leipzig, Gedruckt auf Kosten des Verfassers, in Commission bei E.Kummer [Druck von H.Laakmann] 1843. 15, [1]p, 28 cm. USGS Kunz Coll, GS 34-305. Not seen.

4598. MORGENTHAU, MENGO L

Minerals | and | Cut Stones | [double rule] | Reference Book | Containing Condensed and Simplified | Descriptions from Standard | Works on Mineralogy | [double rule] | Compiled by | Mengo L.Morgenthau | New York | [rule] | 1923 [Cover title only; priv publ]

Edgestapled: 80, [1], [1 blank] p, includ wrap. Stiff, pale gray wrap, cover title in 3-rule frame; also in bright blue cloth, gold cover title, mottled white endp; orig wraps bound-in(copy in USGS Kunz Coll). 22.8 x 15.1 cm(9 x 6 in). Cut. JSL(paper).

Alphabetical glossary of several hundred minerals & gemstones, also gemstone varieties, with chemical compositions, sources, uses, etc. Table of birthstones inside back cover. Accurate. Very scarce.

4599. MORITZ, KARL PHILIPP Götterlehre oder mythologische Dichtungen der Alten. Mit sechs und sechsig in Kupfer gestochenen Abbildungen nach antiken geschnittene Steinen und anderen Denkmälern des Alterthums. Wien, Haas, 1792. Title, 4 f, VIII, 380 p, 2 f; 66 ill on 31 copperpls. Not seen, from V A Heck, Vienna, Catalog 109, 1981, no 240, p 25.

MORLEY, MURIEL V, see BLAKELEY, FRED

4600. MORNING WALKS

Morning Walks; | Or, | Steps | To The | Study Of Mineralogy. | [rule] | London: | Harvey And Darton, | Gracechurch Street. [1830]

Frontispiece plate signed "1830"

12°: [2 blank], [2], 361, [2], [2 blank]p; 4 steel engrav pls tip-in, each with 2 ill, vignetted; 2 fig. 17.6 x 10.5 cm(7 x 4 1/8 in). JSL.

Cont: blank f; front; tp; 11 chs; index; print data; blank f.

Popular mineralogy based on Werner's system, and treated as a running conversation between a Miss Angerstein and four children. The setting is Scotland. Gemstones are treated among

minerals and references to them are mainly between p 157-207, and diamond between p 272-84. The plates principally depict scenes of geological interest.

MOROV, A P, see ROZHKOV, I S & MOROV, A P, 1967

4601. MORRELL, WILLIAM PARKER(1899-)

The Gold Rushes | by | W.P.Morrell, | M.A., D.Phil. | Reader In History In The University Of London | [orn] | New York | The Macmillan Company | 1941

"The Pioneer Histories Edited By V.T.Harlow... And J.A.Williamson."

16°: xi, [1 blank], 426, [1], [1 blank]p; 8 outline maps(4 in text & includ in pag, 4 others, fold, tip-in, and not includ in pag). Smooth, bright blue cloth, gilt spine title, gilt miner's dip-needle on front. Pale gray dj, titles, flap resume, other series bks. 21.4 x 14.3 cm(8 3/8 x 5 5/8 in). Cut. First printing. JSL. LC 41-10712.

Cont: 1/2tp; other series bks; tp; publ data; pref; author pref; tab cont; map list; text tp; 11 chs; index; blank p.

One of the most authoritative summarizations of gold rushes throughout the world but with most space devoted to those of modern times, ie, Brazil, Siberia, USA, Canada, Alaska, Australia, etc, and incidental to the very substantial treatment of the South African rushes, the almost simultaneous rush for diamonds, to which a large chapter is devoted, namely, Ch 9, p 313-73, with a folding map, treating both the gold and the diamonds. The references at the end, p 371-3, include diamond as well as gold, and important biographies of persons connected with these South African ventures. Characteristic of Morrell the information is succinct and correct.

MORREN, NATHANIEL, see ROSENMÜLLER, E F C

4602. MORRILL, PHILIP(1905-1976)

Maine Mines | and | Mineral Locations | By | Philip Morrill | Second Printing | With New Maps | For Sale By: | Dillingham Natural History Museum | Naples, Maine | $1.00 per Copy Ppd. [nd, ca 1956; title partly enclosed in orn-ruled box]

Centerstapled: 47 p, includ inside back cover; 12 maps(part sketch, part reprod of USGS topo maps). Bright orange wrap, white title on cover. 21.5 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. JSL. LC 58-1622.

Lists townships alphabetically, giving underneath each the prospects, quarries, mines, etc, and the minerals to be found, including gemstones. Locations spotted on maps.

4603. -----1960

New Hampshire | Mines And Mineral Localitics | by | Philip Morrill | 2nd Edition | Published by | Dartmouth College Museum | Hanover, New Hampshire | 1960

Centerstapled: [2], ii, 45 p; plastic map-template insert. Pale blue wrap, beryl crystal on cover. 21.3 x 13.9 cm(8 3/8 x 5 1/2 in). Cut. Topo map index inside front cover. $1.75. JSL. Similar to above.

4604. -----1963

Mineral Guide | to | New England | [broad red diagonal bar] by | Philip Morrill | and | A Lot Of Other People | How - What - Where | Maps | ist Edition | $1.00 [wrap title only; priv publ; 1963]

Centerstapled: 40 p; 41 sketch maps(includ maps on inside front cover). Thick white wrap, title & red bar on cover. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL. Modification of above. LC 63-4698.

4605. MORRILL, SIBLEY S

Ambrose Bierce, | F.A.Mitchell-Hedges | And The | Crystal Skull | by Sibley S.Morrill | Cadleon Press, 1972 | P.O.Box 24, San Francisco, California 94101

Cementb: [2 blank], [8], 83, [3 blank]p; 2 photos of skull, one is front. Blue, printed wrap. 21.6 x 13.6 cm(8 1/2 x 5 3/8 in). Cut. $3.95. LC 72-79466; ISBN 0-9600310-3-0. Errata slip. JSL.

"It is the thesis of this book that the mysterious disappearance in Mexico in 1913 of Major Ambrose Bierce... was vitally involved with the appearance in the 20th Century of the extraordinary crystal skull in some way acquired by the late F.A.Mitchell-Hedges, known primarily as a British explorer of Central America." Furthermore, "the first three chapters deal with the skull itself. They show its authenticity as one of the greatest jewels in the world, its importance in the Mayan head-variant system of numeration, and its signficance to the religion of the Maya as a sacred object." Prior to the appearance of this magnificent sculpture in rock crystal, wgt 11 lb, 7 oz, and depicted on the plates, only the rock crystal skull in the British Museum held pride of place in this unique lapidary work of the Pre-Columbian Indians. The present example, unlike that in the British Museum, is fitted with a detachable jawbone. The skull remains in the posession of Mitchell-Hedges' adopted daughter, Anna Le Guillon Mitchell-Hedges. While the entire book is interesting, only the first three chapters appear to be factual, the remainder being largely elaborate speculations leading nowhere. For Mitchell-Hedges' autobiography see his *Danger My Ally*, London, 1954, 255 p, but which mentions the skull only on p 243.

4606. MORRISON, ALFRED Catalogue of the collection of camei, intagli, gold rings, etc., formed by A.Morrrison; sold by auction by Christie, Manson and Woods, June, 1898. Ill. 8vo. London, 1898. Not seen; from *Cat of Books, Assay Office, Birmingham, England*, 1914, p 147.

4607. MORRISSEY, FRANK R (-1962)

Nevada Bureau Of Mines |...| Report 17 | Turquoise Deposits Of Nevada | By Frank R.Morrissey | Mackay School Of Mines | University Of Nevada | Reno, Nevada | 1968

Centerstapled: vi, 30 p; 2 fig; index map(part col) in pocket. Silver paper wrap, blue title & orn on cover; school information back cover. 27.9 x 21.6 cm(11 x 8 1/2 in). Cut. $1.50. JSL.

The author, professionally on the staff of the Oakland, California, *Tribune*, spent many years exploring turquoise deposits in Nevada. His notes include interviews with miners, and field geology checked with authorities in the School of Mines. The paper is the best authority on turquoise deposits in Nevada and is replete with excellent, firsthand data and a wealth of historical detail. Reissued ca 1974 in bright yellow wrap, else identical, $2.50. Review *G & G*, 13, 1, 1969, 38-9.

MORTON, WILLIAM JAMES(1845-1920)

USA physician; b Boston; MD Harvard U 1872; practised in Cape Town, S Afr 1874-6; practised in New York City 1878-; convicted of fraud in mining stock 1913, pardoned by Pres Wilson; editor *J Nervous & Mental Diseases* 1882- 6; pioneer in use of X-rays for skin disorders, cancer; d Miami, Florida.

4608. -----1877

Session 1876-77.] [From Bulletin No.4 | [rule] | South African Diamond Fields: | And The | Journey To The Mines. | By | William J.Morton, M.D. | [orn rule] | Paper read at the Meeting of the American Geographical | Society, March 13, 1877. | [orn rule] | New York: | Printed For The Society. | 1877.

Title from wrapper(enclosed in orn ruled frame); the original journal article paginated [3], 4-30; text title does not state source.

Centersewn: 28 p; pale gray print wrap. 23.4 x 14.8 cm(9 1/4 x 5 7/8 in). Cut. LC 6-16886 rev. JSL.

Highly important eyewitness account of the earliest days of the diamond rush in South Africa based on the author's personal experiences in the field where he visited the mines and made notes on the miners, natives, life in the fields, several diggings upon pipe deposits, methods of mining and recovery of diamonds. Rev, "African diamonds," *Scientific American*, ns, vol 38, no 23, 1878, p 360.

4609. -----1878 "To South Africa For Diamonds," *Scribner's Monthly*, New York, vol 16, no 4, Aug 1878, 551-63, 11 wood engrav(1 map); no 5, Sept, 662-75, 12 wood engrav. Author's name not given except in index to the bound volume. P 563: "a portion of this paper was read at a meeting of the American Geographical Society, March 13, 1877," but actually this 2-part article bears only superficial resemblance to the one above, and is larger, more detailed, and with more information. Furthermore, it is illustrated with skillfully prepared wood engravings of scenes in and around the mines, miners at work, hoisting arrangements in deep mines, rough & cut diamonds, and cuts of several famous diamonds, namely, The Star of South Africa and The Stewart Diamond, which appear to be copied from similar illustrations in E W Streeter's *Precious Stones and Gems*, 1877. Interestingly, a number of the wood engravings were made from designs by Thomas Moran who later became a famous landscapist and earlier had been employed as an artist in several United States Geological Surveys.

4610. MORTON, W J T

On | Calculous Concretions | In The | Horse, Ox, Sheep, And Dog, | Being | The Substance Of Two Essays | Read Before The | Veterinary Medical Association, | By | W.J.T.Morton, | Lecturer On Medical Chemistry And Veterinary Materia Medica, | Author Of A Manual Of Pharmacy For The Student Of | Veterinary Medicine, And A Veterinary | Toxicological Chart. | [rule] | Illustrated By Coloured Engravings. | [rule] | London: | Longman, Brown, Green, & Longmans, | Paternoster Row. | [rule] | 1844.

4°: [2], iv, [1], [1 blank], 94, [2]p; A-N^4; 4 hand-col engrav pls signed "J.D.C.Sowerby, fecit," all with tissues; Pl 1 is front, tip-in; 4 woodcut text fig. V dk green stamped cloth, gilt cover title; yellow endp. 22.5 x 14.2 cm(8 7/8 x 5 1/2 in). Uncut. JSL.

Cont: 1/2tp; print data; front; tp; dedic; tab cont; text in 3 parts; pls explan & pls; index; advert; print data.

A brief account of calculi taken from various secreting organs, the symptoms of their presence, discovery, removal, after-effects, and descriptions of the calculi, with numerous examples of all types skillfully depicted on the plates by J D C Sowerby of the famous British family of illustrators & engravers. Cogent remarks on bezoars precede the main text, with Morton mentioning the fact that "older veterinary authors are particularly barren of information of any value respecting these bodies; yet the ancient physicians were well acquainted with them, and by them they were designated Bezoar stones; a Persian name, signifying a destroyer of poisons." Apparently the present account is one of the very few treatises published in the last century on the subject of calculi.

MORVEAU, G DE, see BERGMAN, T, 1780-85

4611. MOSCARDO, LODOVICO, Conte

Note | Overo Memorle | Del Mvseo | Di | Lodovico Moscardo | Nobile Veronese, | Academico Filarmonico, dal medesimo descritte, | Et in Tre Libri distinte. | Nel Primo si discorre delle cose Antiche, le quali in detto Museo | si trouano. | Nel Secondo delle Pietre, Minerali, e Terre. | Nel Terzo de Corali, Conchiglie, Animali, Frutti, & altre cose | in quello contenute. | Consacrate | All'Altezza Serenissima | Di Francesco Dvca | Di Modena, E Reggio. | [woodcut vignette] | In Padoua, MDCLVI. | [rule] | Per Paolo Frambotto. Con Licenza de'Superiori. [Padua, 1656]

Facing, fully-engrav title: 3 human figs at top with banner, below amore supporting coat-of-arms, the banner inscribed "Mvseo Moscardo," and lettered below, with bottom line reading: "In Padoua per Paolo Frambotti, Con lic. de Superiori. M.DC.LVI."

4°: engrav title supplied + [20], 306 [recte 307], [1 blank], [24] p; pi^3, $§^6$, A-Pp^4, Qq^2. Orn inits, ch orns, 113 text engrv. 29.2 x 20.5 cm (11 1/8 x 8 1/8 in). Cropped, probably severely. USGS Kunz Coll, GS 34-637; Jonathan Hill, NYC, Cat 29, 1986, no 118.

Cont: engrav tp; tp; dedic; pref; lauds; tab cont; text; final engrav with "Il Fine;" blank p; index.

The catalog of the extensive collection of natural history objects and curiosities, of Count Lodovico Moscardo, a nobleman of Verona, and one of the largest of its day. The text is in three books,the first dealing with antiquities not of interest to the gemologist, the third with coral, shells, animals, and other organic objects, while the second book, 132-88, contains material of interest to the gemologist, Most information on gemstones appears on 126-41, with a discussion of rock crystal on 146-7, and jet, 149-50. Text engravings mainly depict antiquities described in the first book; they are crudely drawn, almost child-like in their draftsmanship, and matched by equally poor engraving.

4612. -----1672 2nd edit. Note overo memorie... ed. 2a accresc. Verona, A.Rossi, 1672. 2 parts in one vol. Front, many engravs & woodcuts. Folio. Not seen, from a bookseller's catalog of 1977, "the best edition, much extended with a second part of 179 pages [mainly on Roman antiquities]... part of his collection was purchased from the famous one of Fr.Calzolari, from Verona. Cicognara, 3412." See CHIOCCO, A for the Calceolari collection.

MOSCHI, D, see ORPHEUS, 1689

MOSEBACH, R, see AHLFELD, F, 1935

MOSES, ALFRED JOSEPH(1859-1920)

USA mineralogist; grad Columbia School Mines 1882; PhD 1890; prof Mineralogy 1890; est first univ course in New York City for gemology. Biogr L M Luquer, *Amer Min*, 5, 1920, 110-12, biblio.

4613. -----1915

Tables For The Determination Of | Gems And Precious Or | Ornamental Stones | Without Injury To The Specimen | By Alfred J.Moses, Ph.D. [wrap title only]

Reprinted: *The School of Mines Quarterly*, Columbia Univ, New York, 36, 3, 1915, 199-232.

Edgestapled: pale green wrap, cover title. 22.8 x 15.2 cm(9 x 6 in). Cut. USGS Kunz Coll, GS 34-792.

Optical/physical properties measured, then entered in extensive tables arranged according to optical phenomena & colors; supplementary tables for use when gemstone fragments available for destructive testing.

4613A. MOSES, A J & PARSONS, CHARLES LATHROP

Elements Of | Mineralogy, Crystallography | And Blowpipe Analysis |...[8 lines]...| By | Alfred J.Moses, E.M., Ph.D. |...| Charles Lathrop Parsons, D.Sc., D.Chem. | Chief Chemist United States Bureau of Mines | [rule] | Fifth Edition | Enlarged And In Large Part Rewritten | [rule] | New York | D.Van Nostrand Company | 25 Park Place | 1916

8°; xiii, [1 blank], 631, [1 blank]p; 575 fig(mostly crystal drawings, also photos). Olive-green cloth, blind border frames, crossed hammers, gilt, on front cover; gilt spine title. 22.6 x 13.9 cm(8 7/8 x 5 1/2 in). Cut.

Cont: blank f; tp; publ data; pref; tab cont; biblio(ca 80 entries, p xi-xiii; text in 4 pts(Pt IV tabs); gen index; min index; blank p.

This standard mineralogy textbook appeared first in 1895 but only in the edition above did the authors cause the gem minerals to be "assembled and described in a separate chapter," that is, ch 21, p 550-79, giving a terse account of each and varieties, and including amber.

4614. MOSHAGE, JULIUS Blitzende Steine. Reutlingen, 1938. Not seen.

4615. -----1971

Die | Diamanten | Story | Schönheit | und Schicksal | edler Steine | R.Piper & Co. Verlag [München, 1971]

Cementb: 307, [1], [2 advert]p; 15 line drawings. White cloth, black panels with gold lett & rules on spine. Black dj, resume. Magenta endp. 21.5 x 13.4 cm(8 1/2 x 5 1/4 in). Cut. ISBN 3-492-01902-1. JSL.

Cont: 1/2tp; tp; publ data; tab cont; 42 chs(last is biblio); advert.

Short essays, anecdotes, written in a light, sometimes humorous vein on many aspects of the diamond, with a few remarks on other gemstones. The first part explores early history, especially in the Near East and Far East, giving also some account of famous diamonds as Koh-I-Noor, Orlov, Florentine, Sancy, Regent, Hope, etc, discovery & exploitation of Brazilian diamond deposits, diamond in the USA, the Great Diamond Hoax, diamond in South Africa, industrial diamonds, South African diamond industry and personalities, Williamson's diamond mine, and other stories. The latter part of the book provides chapters on curious lore, falsifications & imitations, criminal activity in connection with gems, insurance, making gem collections, a glossary, 281-305, and bibliography, 308, 34 entries, and lastly, a brief, illustrated account of diamond cutting.

4616. MOSK, SANFORD A The Cardona Company and the pearl fisheries of Lower California. *Pacific Hist Rev*, 3, 1934, 50-61; also Capitalistic development in the Lower California pearl fisheries, ibid, 10, 1941, 461-8.

4617. MOSQUEIRA, J M Ostras y perlas en las costas Venezolanas. *Soc de Ciencias Naturales, La Salle*, Caracas, 1943, 152 p. Not seen.

MOSQUERA, DIONISIO DE

Very little known of author except for facts given by himself, ie, he was a jeweler/goldsmith in Madrid, enjoying patronage of the Court. The dedication to St Eloy(or Eloi Eligius, 588?-659) of France is appropriate inasmuch as Eloy learned the goldsmith's trade and gained the favor of Clotaire II of France, by skillfully manufacturing for him a royal throne. Eloy was a noted benefactor and eventually became Bishop of Noyon; he was adopted as the patron saint of all European goldsmiths.

4618. -----1721

Litho-Statica, | O | Theorica, Y Practica | De Medir Piedras Preciosas. | Compvesta Por Don | Dionisio de Mosquera, Artifice de Obras | de Oro, y Tassador de Joyas en esta | Corte, y Villa Imperial de | Madrid. | Dedicado | Al Artifice Mas Prodigioso, | Al Patron Mas Insigne, | Al Pasmo De Los Milagros, | Al Apostol De La Francia, | Al Obispo De Noyons, | El Gloriosissimo | San Eloy. | Con Privilegio. | [orn rule] | En Madrid: Por Francisco del Hierro. | Año de M.DCC.XXI. [1721; title in orn frame]

4°: [24], 202, [4], [2 blank]p; ¶- ¶ ¶ ¶⁴, A-Cc⁴. Engrav of St Eloy on p after tp; tip-in fold engrav pl p 54. 20.3 x 14.5 cm(8 x 5 3/4 in). Cut, cropped. JSL; DeGolyer Coll, Okla U; Maffei & Figueroa, 1, 493, nr 1702.

Cont: tp; blankp; dedic; approb by Ulloa; license; approb by Munoz; dedic to King; errata & certification; prolog; text; index; blank f.

In this early Spanish work, Mosquera deals with the theoretical & practical aspects of weighing and valuing precious stones, but supplies much highly interesting ancillary information. There are eight books, the first & second on diamond, third on rubies, fourth on emeralds, fifth on sapphires & topazes, sixth on amethysts, spinels, garnets, among others, seventh on pearls, and the last book comprising miscellaneous information on the stones and pearl previously treated. The instructions show readers how geometrical principles may be used to accurately estimate weights of cut gems that otherwise could not be handled singly, eg, as gems in mountings. Mosquera also tells how to correctly judge cutting proportions and thus aid in arriving at more accurate estimates of value, here referring the reader to the folding engraved plate which shows geometric diagrams based on the octahedral crystal of natural diamond, its cross-section, various geometrical forms, diagrams

of several cut gems, a balance with weights, scales for measurement, etc, all aimed at facilitating weight estimation, correct cutting proportions, and values. Many tables of weight vs style of cut are incorporated in the text with much of the information similar to that given by Jeffries in his *A Treatise on Diamonds and Pearls*, 1750, which see, and which may have been consulted by Jeffries, although we have no sign that Jeffries even knew of the existence of Mosquera's book. A rare work.

4619. MOSS, HUGH M

[logo] | An Exhibition | of Chinese Snuff Bottles | June 1970 | Hugh M Moss Limited · 12 Bruton Street · London Wl | Telephone: 01-499 5625 & 01-499 1830

Logo, in pale brown: British Antique Dealers' Association

8°: 93, [1], [2 blank]p; 396 photos. White print wrap, col photo on cover; spine title. 25.5 x 20.3 cm(10 x 8 in). Cut. JSL.

Cont: cover ill captions inside front cover + tp; introd; dynasties; index; cat(396 items); print data; blank f.

Good quality photos accompanied by brief descriptions, materials, dimensions, etc. Classes: stones, organic materials, glass, ceramics, enamels on metal, metals, combined materials, inside-painted.

4620. -----1971

Chinese Snuff Bottles | Of The Silica | Or Quartz Group | Hugh M. Moss | Bibelot Publishers Limited [London,1971]

8°: 84 p; first gathering in 5 doublef; 221 fig(includ several line drawings, remainder photos). Plasticized paper over bds; photo & black lett on cover; black lett spine on white; back cover plain white. 25.4 x 20.3 cm (10 x 8 in). Cut. ISBN 900449 01 2. JSL.

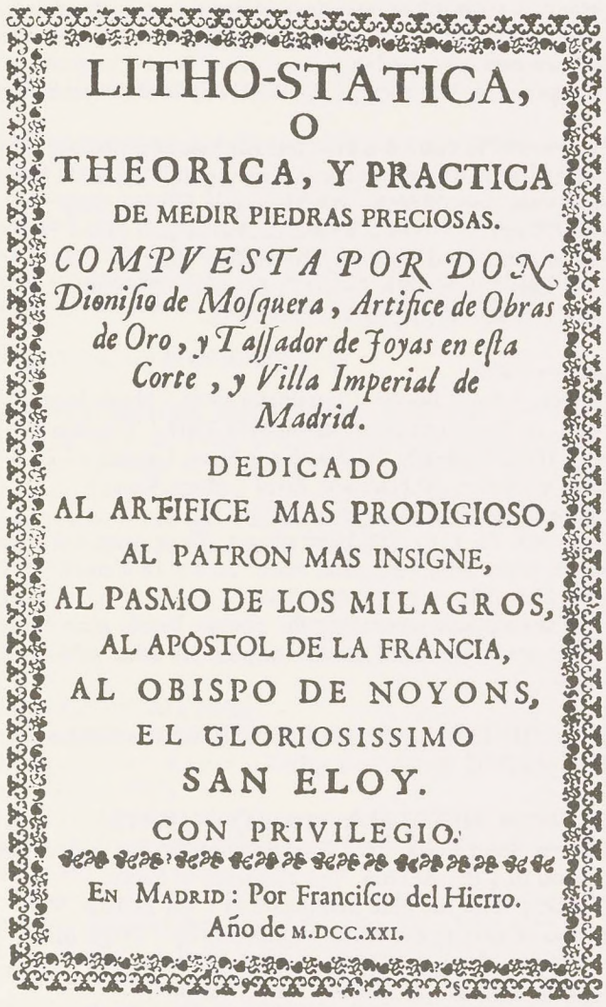
Cont: dedic; tp; ackn & publ data; tab cont; 4 parts text.

Remarkable and valuable work in which the variety of materials available among the quartzes is amply demonstrated. The first part, technically supervised by E A Jobbins of the Institute of Geological Sciences, London, treats mineralogy of quartz varieties, dividing them into classes of crystalline, quartzitic(fine granular), cryptocrystalline(chalcedonic), and jaspery, and including opal. Technical discussion is short and most space is devoted to the identity and nature of the inclusions, which are often beautiful and/or intriguing, especially in transparent quartzes in which they show up best. The second part is a general discussion of snuff bottles while the third part describes Chinese lapidary work methods applied to bottles, and the last part describing the "schools" of carving, placing them into eight groups, with still another group embracing bottles that do not fall conveniently into any other group. A final section in this part briefly discusses "cabinet bottles," or those deliberately made for display rather than use. While a very large variety of bottles appear in the photographs the latter are not as sharply reproduced as they could have been and in altogether too many instances are printed too dark to clearly delineate details. Rev *Gems*, 4, 4, 1972, 46, 48.

4621. -----1971

Hugh M. Moss | Snuff | Bottles | of China | Bibelot Publishers Limited · London England [1971]

8°: 158, [2 blank]p; 1 fig; front col tip-in pl; 43 other col tip-on pls(409 bottles). Dk brown cloth, gold cover & spine titles. Pale greenish-tan endp, shallow carving design. Col dj, col


LITHO-STATICA,
O
THEORICA, Y PRACTICA
DE MEDIR PIEDRAS PRECIOSAS.
COMPVESTA POR DON
Dionisio de Mosquera, Artifice de Obras de Oro, y Tassador de Joyas en esta Corte, y Villa Imperial de Madrid.
DEDICADO
AL ARTIFICE MAS PRODIGIOSO,
AL PATRON MAS INSIGNE,
AL PASMO DE LOS MILAGROS,
AL APÒSTOL DE LA FRANCIA,
AL OBISPO DE NOYONS,
EL GLORIOSISSIMO
SAN ELOY.
CON PRIVILEGIO.
En Madrid: Por Francisco del Hierro.
Año de M.DCC.XXI.

4618. Mosquera, a Madrid jeweler, wrote this practical work on how to weigh and evaluate precious stones as well as gold and its alloys

photos, lett; resume, vita, other publ bks. 33 x 27.5 cm(13 x 10 3/4 in). Cut. £ 14.00; USA $35.00; Can $36.00; Hong Kong $222; Singapore $108.00; Australia $32.00; NZ $38.00; Japan ¥ 12,950. ISBN 900449 00 4. JSL. (See spec leather edit below).

Cont: 1/2tp; front; tp; publ data; dedic; ackn; tab cont; introd; chrono tab; 9 chs; ill tp; pls recto & text verso; gloss; biblio & notes on materials; addit biblio; index; blank f.

Very handsome work in all respects, made from high quality materials. It is particularly of value to the gemologist because of the many bottles made from gem materials that are represented and depicted on the splendid colored plates. The text treats the introduction of tobacco into China, the history of snuff and the snuff bottle, then discusses and describes bottles made from mineral materials, organic materials, glass, enamel, metal, ceramics, and some other miscellaneous materials, and some examples of inside-painted bottles. Gemstone materials include ruby, sapphire, aquamarine, tourmaline, quartz in various crystalline & cryptocrystalline forms, jadeite, puddingstone, lapis lazuli, turquoise, serpentine, aragonite, onyx marble, limestone,

soapstone, and malachite, and the additional gem materials of coral and amber. Of the 44 color plates, 13 plates depict bottles made from mineral materials and several of coral. Delightful visual experience. Rev *Gems*, 4, 1, 1972, 25, 26(2 col photos).

4622. -----1971, limited edit Textually identical; bound in tan leather, gold lett spine only; colorless plastic dj; in dk brown plain slipcase covered with cloth-like paper. On the 1/2tp appears "Number 320 of a limited edition of 500 copies | bound in leather and signed by the author." £20.00; USA $50.00; Can $51.00; HK $316.00; Singapore $154.00; Aus $45.00; NZ $54.00; Japan ¥ 13,500. JSL.

4623. -----1976

Chinese | Snuff Bottles | Catalogue 1976 | Hugh Moss Limited, 12 Bruton Street, London W1X 7AH | Telephone 01-492 1835 & 01-499 5625 a Victor Shaw Limited, G-25 Hutchison House, 10 Harcourt Road | Hong Kong | Telephone 5-263505 [London, 1976]

Cementb: 73, [1]p; 198 b&w photos. Thick wrap, col photo on cover, white title; back plain white. 24.4 x 18.3 cm(9 5/8 x 7 1/4 in). Cut. JSL.

Brief descriptions accompany the photos; largely glass bottles but there are a substantial number in jade and other gem materials.

MOSS, HUGH M, see CHINESE SNUFF BOTTLES MAGAZINE

4624. MOSS, HUGH M & THURLOW, KATE

Chinese Snuff Bottles: 6 | Chinese Snuff Bottles from | the Collection of | the Rt.Hon. The Marquess of Exeter | K.C.M.G. | With the kind permission of | the Rt.Hon. The Marquess of Exeter, K.C.M.G. | Published by | Hugh Moss (Publications) Limited | 23 Bruton Lane, London Wl ["1974, Compiled by Hugh M Moss & Kate Thurlow"]

8°: xx, 162, [2 blank]p; front portr of Exeter; photo of Burghley House; ca 360 b&w photos; another 75 of base markings; 56 col photos. Dk brown unfin cloth, gilt cover & spine titles; inset cut-out col photo on front cover. Yellow-tan endp. 23 x 16.2 cm(9 x 6 3/8 in). Cut. ISBN 0 902717 10 3. JSL.

Cont: cover ill number; front; viewing hrs & publ data; tab cont; view of mansion; preliminaries; cat; blank f.

In the series "Chinese Snuff Bottles," which are described otherwise under that title above. Brief remarks on the collection, principal divisions, highlights, systematic presentation of the pieces, each with photo and description. Materials: organics, ceramics, glass,enamel, quartz, jade, stone, miscellaneous materials, and a section on basal markings. Excellent photos.

4625. MOSS, SYDNEY L

An Exhibition of | Chinese | Snuff-Bottles | 17th March - 1st April, 1965 | Sydney L.Moss Ltd. | 41 Brook Street - London - W.l | [rule] | MAYfair 4670 Cables: Eselem, London, W.l

Centerstapled: 54, [1 blank], [1]p; 12 b&w photos, some fullp. Pale blue wrap, cover photo & title; back cover plain white. 22.1 x 14.4 cm(8 3/4 x 5 5/8 in). Cut. JSL.

Catalogs 228 choice bottles of jade, agate, carnelian, rock crystal, amethyst, lapis lazuli, turquoise, coral, nacre, jet, amber, ivory, etc.

4626. MOSSIKER, FRANCES SANGER(1906-1985)

The Queen's Necklace | Simon and Schuster · New York · 1961 by Frances Mossiker [title spread over 2 p, enclosed in rules, orns]

16°: xvi, 620, [4 blank]p; 26 ill on 8 bound-in matte-finish f, in 2 sections of 4 f each. Scarlet, unfin cloth; title & gold orns on cover in elaborate blind frame; similar on spine. Red col dj, portrs, necklace, etc, with title; resume, vita, author portr, "cast of characters." Tan endn. 22.8 x 15.1 cm(9 x 6 in). Cut. $7.50. LC 60-12589. JSL.

Cont: logo; title; publ data; dedic; ackn; tab cont; introd; 27 chs; chronology; append; biblio(p 613-20, 121 entries); 2 blank f.

Historical writer Mossiker specialized in 18th century France, the present book being her first major effort, and one that was well received. Dj: "many have written about the Necklace. But until now no one has attempted to collate, without prejudice, the entire mass of fascinating and conflicting evidence contained in the private and public archives of France. This Frances Mossiker has done, after five years of intensive research and seven trips to France." This apparently self-serving statement actually expresses the truth, indeed as one examines the great detail, the numerous quotations and extracts from the records alluded to, the lack of speculation, and the scope, one cannot be other than fully convinced that here is the best and the most definitive work yet to appear in any language on the scandal associated with the celebrated diamond necklace sold to Marie Antoinette just prior to the Revolution. A most interesting jeweler's letter is quoted in the Appendix in which a current 1961 evaluation of the necklace is made on the basis of a facsimile illustrations furnished by Mossiker, the facsimile after a model of the necklace made by its original makers in Paris. The value of the stones alone, including 10% Federal Excise Tax, comes to the astounding figure of USA $3,355,000.00. Reprinted at least three times. Rev *The Gemm*, 30, 360, 1961, 127-9; D Dignam in *JCK*, 131, 7, 1961, 90, 91, 110, 111; G & G, 10, 9, 1962, 285-6.

4627. -----1961, London

The Queen's | Necklace | by Frances Mossiker | London | Victor Gollancz Ltd | 1961 [title enclosed in scrollwork frame]

16°: xvi, 620, [2 blank]p; 18 ill on 6 bound-in f(after p 238). Bright blue cloth-type paper over bds; gold lett, scrollwork frame on spine. Simi- lar dj. P size same. 30 s. JSL. Cont: 1/2tp; tp; publ data; dedic; ackn; tab cont; introd; text; blank f.

4628. -----1963, Paris

Collection "Il Y A Toujours Un Reporter" | [rule] | Frances Mossiker | Le Collier | De La Reine | (The Queen's Necklace) | l'adaptation française des textes de l'auteur est due à | Gabrielle Rives et Geneviève Le Cormier | René Julliard | 30 et 34, rue de l'Université | Paris VII[e] [1963]

16°: 535 p(first f blank), [1 blank], [1], [1 blank], [3], [3 blank]p; 16 ill on 4 glossy bound-in f(p 256). Thick white wrap, inward-fold flaps, 2 ill in col on cover, with title; resume back cover; other series bks on flaps. 24 x 15.5 cm(9 1/2 x 6 1/8 in). Cut. 27 fr. JSL. Cont: blank f; 1/2tp; tp; publ data; ackn; introd; 26 chs; concl; append; chronology; biblio; tab cont; colophon; 3 blank p.

4629. -----1967, New York, paperback

The | Queen's | Necklace | by Frances Mossiker | [logo] | Lancer Books, Inc. · New York [1967]

Cementb: 750, [2 advert]p. Thick col wrap, title, resume. 17.8 x 10.5 cm(7 x 4 1/8 in). Cut. Ae dyed purple. $1.25. JSL. Cont: resume; ackn; tp; publ data; tab cont; introd; text; 2 advert p.

MOSTOVENKO, V V, see FERSMAN, A E, 1920

4630. MOTI CHANDRA The art of cutting hard stone-ware in ancient and modern India. *J Gujarat Research Soc*, Bhagwan Lal Indraji Commemoration Vol, p 21- 85. Not seen.

MOUILPIED, A T DE, see MOISSAN, H, 1904

4631. MOULAERT, ALBERT & MOYAR, ANTOINE

L'industrie du diamant en 1948... etc. This annual review of the diamond industry was begun by Moulaert in 1948 and carried on up to 1953, after which they were continued by Moyar. The first report was entitled "L'industrie du diamant en 1948, "*Belgique Coloniale et Commerce International*, Bruxelles, 5^{e} ann, livr 3, Avril 1950, p 73-104. JSL. Others: ibid, 1949, livr 10, Nov 1950, 301-43; 1950, 6^{e} ann, livr 11, Nov 1951, 145-98; 1951, 7^{e} ann, livr(?), Nov 1953, p(?), also in a reprint of 56 p; 1952, 8^{e} ann, livr(?), Nov 1953, reprint of 52 p; 1953, 9^{e} ann, Nov-Dec 1954, reprint 54 p; 1954, 1955, Nov, reprint 68 p; 1955, 1956, reprint 126 p, not seen; 1956, 1957, 181 p, not seen. Continued with new publisher, Antwerp, Vlaams Economisch Verbond, and entitled "Het diamantbedrijf in 1956," 1957, 158 p, not seen; "The diamond industry in 1956-1957," 1958, 169, [1], [1 blank], [1], [2 blank]p; col map, 4 col diagrs, 12 photos pls, on glossy f not includ in pag. By now an impressive annual review of the entire industry embodying production, trade, cutting, industrial diamond, etc. Further continued: 1957-1958, 1959, 131 p, ill; 1957-1958, 1959, 132 p, ill; the last extracted and reprinted in *Belgique-Congo et Commerce International*, Brussels, 1959, 144 p, ill, not seen. I have also examined the regular issues by Vlaams Economish Verbond, for 1958-1959, 1960, 120 p, ill and 1958-1959, 1960, reprinted, 134 p in *Belgique-Congo et-Commerce International*, not seen.

4632. Not used.

4633. MOULLE, A

Mémoire | Sur La | Géologie Générale | Et Sur | Les Mines De Diamants | De L'Afrique Du Sud | Par | M.A.Moulle | Ingénieur Civil Des Mines | [wavy rule] | (Extrait des Annales Des Mines, livraison de mars-avril 1885.) | [wavy rule] | Paris | V^{ve} Ch.Dunod, Éditeur | Librairie Des Corps Nationaux Des Ponts Et Chaussées, Des Mines | Et Des Télégraphes | Quai des Augustins, 49 | [rule] | 1885

8°: [3], [1], 156 p; engrav pls V-IX bound-in at end. Pale gray wrap, cover title. 22.8 x 14.3 cm(9 x 5 5/8 in). Uncut. Pagination in original journal 247-71, 279-342. USGS Libr GS 34-421; JSL.

Cont: blank f supplied + 1/2tp; print data; tp; text; pls explan; tab cont; pls + blank f supplied.

In two parts, the first describing the geology of South Africa in general, with much on petrology, including that of the diamondiferous formations. The second part gives production statistics of diamond mines, resources, history of the industry, & recovery, and other details. Mendelssohn.

MOURIN, L, see MANDEVILLE

4634. MOUNTAIN, E D Crystals from the Kimberley mines. *Trans Roy Soc S Afr*, 20, 1, 1931, 65-78, Pl 1, 12 fig. JSL. Corrects paucity of information on crystals of minerals associated with diamond in the pipe bodies either in the pipe rock or in cognate inclusions therein; describes crystals of diamond, kyanite, molybdenite, pyrite, chalcopyrite, aragonite, quartz, garnet, calcite, marcasite, orthoclase, and others.

MOYAR, A, see MOULAERT, A

4635. MOYERSON, JEAN-FRANCOIS Investing in diamonds. 64 p, ill, 1980, $75.00. Advert: "discusses the suitability of diamonds to an investor's objectives and, with gemological and financial data, guides him through the steps of actual purchase and sale. Financial data revised through June 1980. To be updated annually." Not seen.

MOSESON, D L, see LEVCHENKO, S V

MUDREY, M G, Jr, see CANNON, W F

4636. MÜHR, ALFRED

Alfred Mühr | Sterne Des Irdischen | Geheimnis Und Macht Der Diamanten | Roman | Verlag Kurt Desch | Wien · München · Basel [1955]

8°: 510, [2 advert pl. Pale green cloth, gold lett cover; dk green spine panel with gold title, orns. Col dj. 22 x 15 cm(8 1/2 x 5 7/8 in). Cut. Te dyed blue.

A large, interesting popular work emphasizing the romantic aspects of diamond throughout the ages. Four large chapters discuss diamond in India as taken from ancient writings and travelers accounts, the diamond in Europe, with much on famous stones, the trade in diamonds, particularly between East and West, and sales of stones to European royal houses, plus the recent history of the diamond from about the Victorian period into modern times, again including much information of famous diamonds as well as substantial information on modern diamond mining in South Africa. Contains a large amount of information presented in palatable fashion.

4637. -----1955, post(?), 'S-Gravenhage

Alfred Mühr | Diamanten | De diamant in de wereldgeschiedenis, | zijn geheimzinnige macht en fascinerende invloed | [logo] | N.V.Uitgeversmaatschappij Pax | 'S-Gravenhage [The Netherlands; nd]

8°: 564, [4]p; 8 bound-in glossy photo pls. Tan cloth, blind frame on cover; dk brown spine panel with gold lett; also horizontal double-rules & publ name in gold. 21.5 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. Te stained brown.JSL.

Cont: 1/2tp; former title & translator(Johan M Palm); tp; tab cont; text tp; 4 chs; index.

4638. MULICKI, ZYGMUNT Bursztyn skarb Baltyku. Warszawa: Książka i Wiedza, 1951, 8°: 95 p, ill, maps, biblio. "Bibl.Popul.-Nauk Nr.33." Not seen.

MULLER, C, see KIRCHMAIER, G C

4639. MÜLLER, F Über die Schalenbildung bei Lamellibranchiern. In: A Schneider, *Zoologische Beiträge*, Bd 1, 1885, 206-41, Tab 28-30. Suggests the mechanism by which calcium carbonate is deposited in nacre.

4640. MÜLLER, FRIEDRICH Internationale Naturstein Kartei (INSK). Löseblatt-Heftung [ring book] 10 vols, 16 x 21 cm, ca 1000 pages, ca 900-1000 col ill & ca 250 b&w. Ulm: Ebner Verlag, 1982(?). DM 588. Not seen. Rev by S Koritnig, *Der Aufschluss*, 33, 1982, 236. An elaborate reference document of building and decorative stones from worldwide sources to which architects and others in the contruction industries may refer. All classes of stone are considered, with color photos of polished specimen slabs. Includes nomenclatures, sources, properties, suggested uses, etc. It is said that supplements would be issued.

4641. MÜLLER, G C M

Anleitung | zur | Verfertigung der Glasflüsse, künstlicher Edelsteine, Emaille | und der Schmelzfarben, des Auftragens des Silbers, | Goldes und Platines, so wie auch der Kupferstiche auf | Porzellan und Steingut; nebst der Beschreibung der chemi= | schen Vorkenntnisse aller dahin einschlägigen Waaren, der | Zubereitung der chemisch=reinen Erden, | Metall=Kalken, | und der alten, so wie der neuesten Säuren auf der | auf Reinheit gemischten Prüfungen. | Ein Handbuch | für | Porzellan= Maler, künstliche | Edelstein= Fabrikanten und Töpfer. | Von | G.C.M.Müller, Chemiker. | [rule] | In 13 Abtheilungen verfasst mit einigen lithographirten Abbildungen. | [rule] |... [13 lines of part-headings]... | [taper rule] | Regensburg, 1828. | Verlag der Joseph Sigmund Reit-mayr'schen Buch=Kunst= und Musikalienhandlung.

8°: XIV, 404, [2 errata]p; fold litho pl bound-in at end. 20 x 11.7 cm(7 7/8 x 4 5/8 in). Cropped. JSL.

Cont: tp; tab cont; text; errata; pl.

Meticulous instructions for preparation of all types of glass pastes, decoration of porcelain, manufacture of pigments, gilding & platinizing, enameling, and an appendix describing useful chemical reagents. The first two parts of the text are glossaries of terms and encyclopedias that explain the terms and the apparatus & accessories, raw materials, etc, used in the several processes, and include a number of raw gemstone materials as agate, hematite, quartz, etc. One of the parts gives recipes & instructions for making colored glasses imitative of gemstones. Very scarce.

4642. MULLER, HELEN

[b&w photo with caption, and caption for cover photo] | Jet Jewellery And Ornaments | Helen Muller | Shire Publications Ltd [Aylesbury, Bucks, England, 1980] ["Shire Album 52"]

Centerstapled: 32 p (added text & ill on inside covers); 43 b&w photos; sketch map. Paper wrap, col photo on cover; resume, vita, other series bks. 20.9 x 14.9 cm(8 1/4 x 5 7/8 in). Cut. £.75. ISBN 0 85263 503 6. JSL,

Cont: inside front cover ill; tp(with photo); tab cont; publ data & photo; introd; 5 chs; places to visit & biblio(6) inside back cover.

As befits the limited amount of extant information on jet, this booklet is small in size yet is a goldmine of carefully-researched facts. The introduction deals with local geology, the jet-bearing formations, properties of jet, etc, pertaining to the deposits along the north Yorkshire coastline in England(sketch map), and describes mining(with photos). The first chapter gives history of jet from prehistoric times into the Mediterranean cultures, thence into the Middle Ages, and into the present. There is a valuable and interesting chapter on the once thriving jet industry in Whitby and another on the lapidary methods used to shape jet into a myriad of ornaments. There are excellent photos of jet carvers and their shops and equipment. Another chapter discusses imitation of jet, and a final chapter briefly describes the revival of jet-working and gives advice on how to collect jet objects.

4643. -----1987

Butterworths Gem Books | Jet | Helen Muller | Butterworths | London Boston Durban Singapore Sydney Toronto Wellington [London: Butterworths & Co (Publishers) Ltd 1987]

16°: ix, [1], 149, [1 blank]p; 133 photos & drawings, maps, etc; 9 col photos on 2 glossy f cemented-in betw p 54-55. White, plasticized paper over bds; title in gray & black on cover, spine & back; col photo on front cover, col panel with lett back cover. 23.4 x 16.5 cm(9 1/4 x 6 1/2 in). Cut. ISBN 0-408-03110-7; LC 86-26338.

Cont: 1/2tp; other bks in series; tp; publ data; pref, ackn & errata; tab cont; 7 chs; 6 appends; blank p; index; blank p. Errata slip pasted to p [vi].

Muller calls this "the first book to be written on jet," not mentioning her excellent booklet of 1980 which obviously served as the skeleton for the present work but suitably fleshed out with considerable additional information and newer data hence deserving the title of "book" rather than "pamphlet." Jet is described materially and with descriptions of types, varieties, occurrences, origin of the name, and the geology of same, along with mining. Jet in history is now treated from prehistory to the present, and then the Whitby jet industry in England is given a large chapter with many of the illustrations previously used by the author. Another chapter treats the jewelry made from jet which encompasses a bewildering variety of styles and applications. Another chapter briefly notes occurrences and uses of jet in other countries, while the last chapter describes simulants and substitutes, all of it forming a valuable treatise by itself which can scarcely be matched in any gemological text. The appendices provide additional miscellaneous information and data. An outstanding work.

4644. MÜLLER, L

Description | Des | Intailles Et Camées | Antiques | Du | Musée- Thorvaldsen. | [rule] | Par | L.Müller | Inspecteur au Cabinet Royal des Médailles. | [orn] | Copenhague. | Imprimerie De Berling. | 1847.

Facing title: "Musée-Thorvaldsen. | [rule] | Troisième Partie. | Antiquités. |...| Section III. |..."

8°: [10], XIV, 200 p. Pale gray wrap, cover title. 23.1 x 14.5 cm (8 3/4 x 5 3/4 in). Cut. USGS Kunz Coll; JSL.

Cont: ser tp; tp; text tp; tab cont & abbrev; introd; catalog.

Briefly notes history of engraved gems, uses, types, materials, and subjects, with specific references to illustrative examples in the catalog. The latter in two parts, the first and by far largest describing intaglios, 1695 numbers, and the remainder cameos, 133 numbers. Each gem identified by subject, materials, and sometimes dimensions, but Furtwängler, *Die antiken Gemmen*, 3,

431, states that "all genuine pieces...[are] carefully described." Vinet 1657. Albert Bertel Thorvaldsen(1768-1844), eminent Danish sculptor; left major portion his fortune to found the museum in Copenhagen.

4645. MÜLLER, RAINIER A

Edelsteinmedizin im Mittelalter | Die Entwicklung der spät- antiken und mittelal- | terlichen Lithotherapie unter besonderer Berück- | sichtigung des Konrad von Megenberg | Rainier A.Muller | München 1984 | [rule] | [logo] Demeter Verlag · D-8032 Gräfelfing

"Schriftreihe der Münchener Vereinigung für Geschichte der Medizin e.V., Bd 13."

Cementb: [5], [1 blank], [1], [1 blank]p + p 2-102 + [3 blank]p; 11 fig. Stiff, bright yellow wrap, title on cover & spine. 21.1 x 14.8 cm(8 1/4 x 5 3/4 in). Cut.

Cont: 1/2tp; ser tp; tp; publ data; pref; tab cont; 4 chs; gloss; facsimile ill; biblio(p 99-102, 40 entries); 3 blank p.

A study of the employment of gemstones as healing agents in antiquity and the Middle Ages, With special reference to Konrad von Megenberg's *Das Buch der Natur*(see above). The first three chapters review the development of beliefs in the value of gemstones as curative & preventive ingredients in medicines, while chapter four analyzes Konrad's text on gemstones, including retention of his spellings, diacritical marks, etc, p 41-82, with 86 paragraphs and a concluding paragraph. This is followed by the glossary of terms used by Konrad and facsimiles of pages from an early Konrad MS, also others as Dioscorides, etc, then a "Bergbüchlein" of ca 1500, and a number of pages from the *Hortus sanitatis* of Venice, 1511. The text is richly annotated and the whole forms a useful and welcome addition to studies of early gemological lore.

4646. MULLIGAN, JOHN H

Diamonds: | Crude And Polished | And Other Gems. | Naturally, | Scientifically And | Financially Considered. | [rule] | An Exhaustive Treatise, | With Engravings Of Smaller Size | Diamonds, | By | John H. Mulligan. | With an Addition of Useful Information, References, | Statistics, &c. | [rule] |Philadelphia: | Diamond Publishing Co., No.527 Chestnut Street. 1885.

Centersewn: 64 p, 3 cuts. Blue cloth-covered wrap, gold title on cover. Also in full blue leather, gilt. 12.8 x 8.4 cm(5 x 3 3/8 in). Cut. $.50 or $1.00 in leather. LC 9-1160. JSL; USGS Kunz Coll.

Cont: tp; publ data; pref; index; text.

In addition to furnishing an astonishing number of facts on the diamond, albeit far from exhaustively, this interesting work also pads its pages with irrelevancies as the "area of the world," "buildings of the world," and even articles on personal hygiene! As a consequence much of the text deals with matters other than gemological. A scarce work, probably issued in small number for obvious reasons.

MULOT, or MULLOT, FRANÇOIS VALENTINE, see DAVID, FRANÇOIS ANNE

MUMBACH, N R, see FLANIGEN, E M, et al

4647. MUMME, I A

The | Emerald | Its Occurrence, | Discrimination And | Valuation | By: I.A.Mumme, BSc. Hons. (Mineralogy and Petrology), | M.Eng.Sc, A.M. Aust.I.M.M., etc. | Formerly Chairman of the Federal Board of Studies and | Education of the Gemmological Association of Australia, and | Convenor for Education to the Geological Society of Australia | (New South Wales Branch). | Member of the Scientific Education Panel of the Lapidary Club of | New South Wales. | Mumme Publications [Port Hacking, NSW, 1982]

Cementb: [16], 135, [1 blank]p; 24 fig(13 sketch maps); 4 glossy f not includ in pag with 8 col ill; 29 b&w photos; 18 tab. Thick, glossy col wrap, col photos both covers; white spine title. 23.8 x 17.4 cm(9 3/8 x 6 7/8 in). Cut. ISBN 0 9593069 0). Aus $21.00. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ill list; tab list; ackn; dedic; pref; 8 chs; biblio(p 133-5, 50 entries); blank p.

After an introductory chapter on history & lore of emerald, Mumme describes the major, and some minor, emerald deposits of the world, giving regional and local geologies, usually with a sketch map, deposit type and mineralogy, and descriptions of the emerald with notes on history and production. About half the book is occupied by such accounts but the greatest detail is supplied on Australian and South American deposits. Other chapters treat emerald properties, inclusions, imitations or substitutes, synthetic emeralds & their comparison to naturals, and a miscellany on cutting, oiling of stones, resetting cut stones in jewelry, valuation, etc. On the whole, the work is shallow in its treatment except for the information on Australian emerald deposits with which the author appears to be most familiar. There are numerous errors and misspellings, especially in the bibliography. Rev J C Zeitner, *Lap J*, 36, 11, 1983, 1902-3; B J Franklin, *Australian Geologist Newsltr*, no 46, Oct 3, 1983; M O'Donoghue, *J Gemm*, 18, 7, 1983, 663-4.

4648. MUNICH RESIDENZ MUSEUM Schatzkammer der münchener Residenz, amtlicher Führer, 1937, 8°: xx, 195 p, 37 pls. Not seen.

4649. MUNN, L A history of "The Golconda Diamond Mines." *J Hyderabad Geol Survey*, India, 1, 1, 1929, 22-62. Not seen.

4650. MUÑOZ, GUSTAVO OTERO & BARRIGA VILLALBA, ANTONIO MARÍA

Esmeraldas | De | Colombia | [cut of bank bldng] | 1923-1948 | Ediciones Commemorativas De La | Fundacion Del Banco De La Republica, | En Su XXV Aniversario. [1948; title in green & black, enclosed in orn green frame]

8°: [2 blank], 133, [4]p; 3 col tip-in pls(1 fold col sketch map); 26 fig(1 sketch map, 12 sketches, 14 photos). Orn head & foot rules in green faceted gem motifs as on titlepage; green, black, yellow headpcs, tailpcs, inits. Thick paper wrap, inward fold flaps, cream color paper with green covers; emerald specimen on front; yellow lett & spine title. 27.3 x 19 cm (10 3/4 x 7 1/2 in). Cut. Wrap overlaps text. LC 50-57195. JSL.

Cont: blank f; tp; statement by bank on assuming control of Muzo & Coscuez; text in 2 parts; biblio(p 91-3, 24 entries); tab cont; publ data.

Muñoz, historian, and former president of Academia Colombiana de Historia, wrote the first part, "Leyenda e Historia," p

5-93, treating Indian legends of the emerald and its mines, then early colonial history, and tracing developments into modern times. Most of the material is on the Muzo region and its mines. The second part. "Estudio Cientifico," 95-133, by mineralogist, professor, and director of the Casa de Moneda in Bogotá, Barriga Villalba, forms an important geological/mineralogical study of the emerald deposits, mineralogy, occurrence of emerald, mining methods, and incorporating a very good though brief treatise on the mineralogy & crystallography of the emeralds. This handsome and valuable booklet was issued by the Banco de la Republica to commemorate their new role in taking over control of the mines. It is now very difficult to find copies, especially in good condition.

4651. MUÑOZ-LEDO Y MENA, MANUEL Estudio sobre la piedra de "el opalo," por Manuel Muñoz-Ledo y Mena. Queretaro: Tipografia de Demetrio Contreras, 1929, 43 p. Not seen.

MUNSURI, ARGIMIRO SANTOS, see SANTOS MUNSURI, A

4652. MUNTZ, EUG

Inventaire | Des Camées Antiques | De La | Collection Du Pape Paul II | 1457-1471 | Suivi De Quelques Autres Documens De Même Nature | Par M.Eug. Muntz. | [rule] | Extrait de la Revue Archéologique | Septembre Et Octobre 1878 | [rule] | Paris | Aux Bureaux De La Revue Archéologique | Librairie Académique - Didier et C^ie^ | Quai Des Augustins, 35 | [rule] | 1878

8°: 23, [1 blank]p. 24.9 x 16.2 cm(9 3/4 x 6 3/8 in). Uncut. USGS Kunz Coll. Issued sans wrap.

4653. MURDOCK, THOMAS GLENN(1901-)

[rule] | Special Supplement No.46 Washington, D.C. June 1955 | [rule] | Mineral Trade Notes |... | Beceka's Industrial Diamond Mining Operations At Bakwanga | Belgian Congo | [logo] | United States | Department Of The Interior |...| Bureau Of Mines |...

Edgestapled: [2], 23, [1 blank]p; 3 fig(bound-in pls not counted in pag); 1 diagr; tabs. Pale gray-green wrap, cover title. 26.8 x 20.4 cm (10 1/2 x 8 in). Cut. JSL.

Murdock's authorship appears on p 1 of text; at the time he was USA consul, Elizabethville, Belgian Congo(Zaire). Topics: current mining, the location of area, geology, deposits, mining operations, production, financial achievements of company since 1947. One fig is sketch map of area; another locates kimberlite bodies; third is detailed geol sketch map of pipes.

4654. -----1963.

Mineral Resources | Of The Malagasy Republic | By Thomas G.Murdock | [11 stars in line] information circular 8196 | [logo] | United States Department Of The Interior |...| Bureau Of Mines |... [Cover date: 1963]

Edgestapled: [3], v, 147 p; index map in pocket; 32 fig(photos, sketch maps); 24 tabs. Pale green wrap, cover title. 26 x 19.8 cm(10 1/4 x 7 3/4 in). Cut. JSL.

Beryl deposits, rock crystal, and gemstones, p 135-9, with sketch map of beryl pegmatite fields, another for gemstones, and for rock crystal.

MURGOCI, GEORGE or MUNTEANU-MURGOCĬ, GEORGE(1872-1925)

Romanian geol,mineralogist; b Braila; grad Bucharest U 1895; PhD Munich U 1900; geol in Geol Inst Romania 1906; prof mineralogy & geol Bucharest U 1908; in youth he adopted the name Munteanu-Murgoci, the prefix meaning "from the mountains," but dropped this in later years. L J Spencer, Biogr Notices, *Min Mag*, 21, 117, 1927, 247-8.

4655. -----1903

Gisements | Du | Succin De Roumanie | Avec Un Aperçu Sur Les Résines-Fosiles: | Succinite, Romanite, Schraufite, Simétite, Birmite, Etc. | Et Une Nouvelle Résine-Fossile D'Olăneşti | Par | D^r^ G.Murgoci | Docent À L'Université De Bucarest | [orn rule] | Extrait de „Asociaţiunea Română pentru inaintarea şi rēspandirea sciinţelor, | Memoriile Congresuluī de la Iaşi" | [orn rule] | Bucarest | [rule] | L'Imprimerie De L'État | 1903

8°: 34 p; tip-in glossy col pl; tip-in geol sketch map. Pale grayish-tan printed wrap, cover title. 29.8 x 21.5 cm(11 7/8 x 8 1/2 in). Cut.

Cont: tp; col pl; text; map.

A rare treatise on the amber of Romania, named *rumanite* by Helm. Discusses nomenclature, characteristics & sources of amber generally, the amber from the Romanian locality of Bouzeou, its properties, deposits, etc, and also discussing fossil resins from other places in Romania with details on geological settings of the deposits. The map is a generalized geology of the country with amber-yielding localities indicated. The striking color plate depicts 9 amber cabochons from various Romanian deposits.

4656. -----1924 Les ambres roumains, leur importance scientifique et economique. The Roumanian ambers, their scientific and economical importance. [In:] *Royaume de Roumanie, Correspondence Économique Roumaine, Bulletin Officiel du Ministre de l'Industrie et du Commerce*, VI. Année, No.6, Nov.Dec. 1924, 3-25, sketch map, geol map, 4 ill(rough amber specimens). Col print wrap. 26.3 x 20.7 cm(10 3/8 x 8 1/8 in). BM(NH). Text in parallel columns Fr & Engl. Amber deposits in Romania, the varieties, names of ambers, properties, colors, compositions, types, occurrences. Romanian amber from the economical viewpoint, its uses, production. Very scarce.

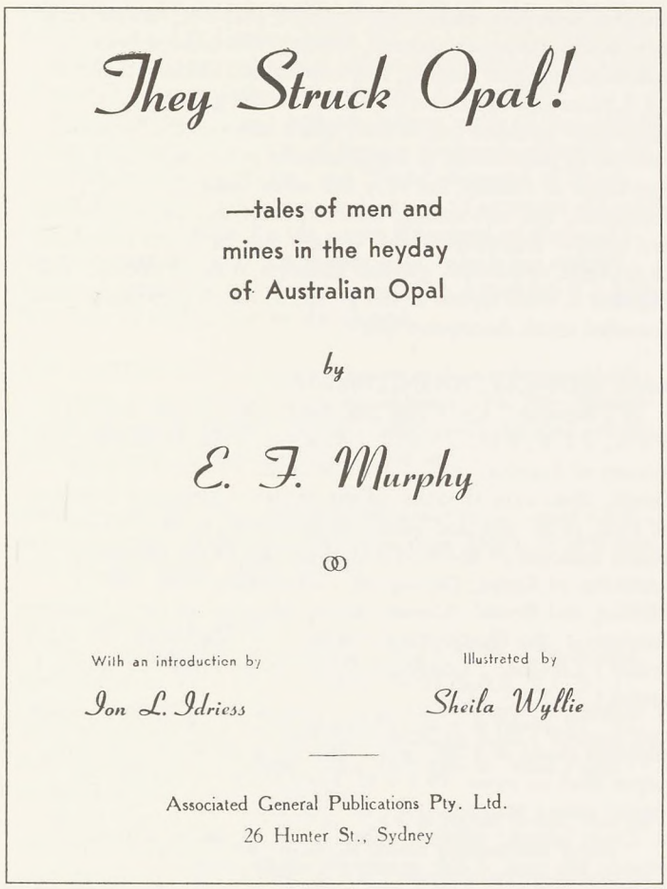
4657. MURPHY, E F

They Struck Opal! | -tales of men and | mines in the heyday | of Australian Opal | by | E.F.Murphy | [orn] | [at left, 2 lines:] With an introduction by | Ion L.Idriess | [at right, 2 lines:] Illustrated by | Sheila Wyllie | [rule] | Associated General Publications Pty.Ltd. | 26 Hunter St., Sydney [1948]

8°: 191, [1]p, 3 col photos of opals on 4 glossy f insert(with explan letterpress & col headings, bound-in betw p 8-9); 20 sketches & photos; 5 sketch maps. Tan-orange cloth, black lett, rules, logo on spine. Col dj, resume, col ill on cover. 18.5 x 12.4 cm(7 1/4 x 4 3/4 in). Cut. Pale tan cheap paper. 12s 6d. JSL.

Cont: 1/2tp; logo; tp; publ data; tab cont; introd; col pls; 12 chs; ("The Black Opal"); blank p with small orn. Tab cont indicates that the author's preface is on p 8 but actually Idriess' introduction occupies both p 7-8.

One of the early Australian opal classics and a valuable historical sourcebook for subsequent writers on the fields of New South Wales. Murphy tells his youthful wanderings in New



4657. Murphy's "They Struck Opal!" is one of the earliest accounts of the beginning opal-mining boom in Australia which continues full force today

South Wales after leaving college prematurely due to illness and his experiences as as a sheepherder, cattleman, and gold miner. These reminiscences take up the text to chapter six, after which the remainder deals with his mining in the opal fields, beginning in 1889 in Lightning Ridge, but abandoned in favor of becoming an opal-buyer, in which occupation he became preeminent. Specially interesting: opal pseudomorphs after fossils and glauberite crystals, 112-29, and the author's ideas on the origin of special forms of opal as the yowah nut and remarks on some famous "named" opals. There are also a few biographical notes on opal men David Morton Tweedie and Tully Cornthwaite Wollaston, also a short appreciation of a small burrowing animal of the region called the bilbie, appended to ch 11. Wollaston also wrote on the opal fields, which work see elsewhere. Rev *The Gemm*, 18, 217, 1949, 207-8.

MURR, CHRISTOPHE THEOPHILE DE, recte, MURR, CHRISTIAN GOTTLIEB VON(1733-1811)

Ger scholar, antiquarian, historian; b Nürnberg; important works on classical antiquities & history. *Biogr Univ* 50, 454-9(lists 44 publs).

4658. -----1771 Versuch einer Beschreibung der kaiserlich-königlichen Schatzkammer zu Wien. Nürnberg: Raspe, 1771. 8°: [41, 102 p; engrav front; engrav vignette on tp. Not seen: Marlborough Rare Books, London, Cat 117, 1986, no 400.

4659. -----1797

Description | Du | Cabinet | De | Monsieur | Paul De Praun | A | Nuremberg. | [taper rule] | Par | Christophe Theophile De Murr. | [rule] | Avec VII Planches | [doublerule] | Nuremberg, | chez Jean Theophile Schneider. | M.DCC.XCVII. [1797]

8°: XXXII, 511, [1]p; a-b^{8} A-Ii^{8}; engrav front portr of Praun tip-in; 2 engrav pls tip-in in text(p 266, 353); 4 engrav pls(I-IIII) bound-in at end of text(2 fold); 3 text woodcuts; numerous small woodcut monograms; ch orns. 19.8 x 11.9 cm(7 3/4 x 4 3/4 in). Cropped. JSL.

Cont: front pl; tp; pref; tab of classes; cat tp; catalog; addits; errata; pls.

The elaborate, annotated catalog of the objects of art and related objects in the collection of Paulus Von Praun(1543-1616), a wealthy tradesman, originally from Nürnberg, who assembled his cabinet in Italy. He died in Bologna, and after his demise, the entire cabinet was sent back to Nürnberg there to be purchased by Herr Frauenholz, an art dealer. According to Furtwängler, *Die antiken Gemmen*, 3, 430, the cabinet then passed to Sybylla Mertens-Schaaffhausen of Bonn in 1839, at which time it held 1626 engraved gems and 250 engraved pastes. The collection eventually was sold in England in 1859 and dispersed. In addition to gems, the catalog describes prints, sculptures, medals, some natural history objects, manuscripts, and a few printed books. The engraved gems, 80 cameos and 1083 intaglios, are described on p 246-388. The two text plates are in this section, both depicting inscriptions on gems. The text on the engraved gems is annotated with remarks on specific examples, also general remarks, and references to other engraved gem books. The frontispiece engraving gives Praun's places and dates of birth and death. The last four engraved plates show an elaborate altar and three tablets bearing inscriptions.

MURRAY, ALEXANDER STUART (1841-1904)

Brit archeologist; b Forfarshire, Scotland; MA Edinb U 1864; stud Berlin U 1865; LLD Glasgow U 1891; to Dept Grk & Roman Antiquities, Brit Mus 1867; Keeper in 1886. DNB.

4660. -----1892

Handbook | Of | Greek Archaeology. | Vases, Bronzes, Gems, Sculpture, Terra-Cottas, | Mural Paintings, Architecture, &c. | By | A.S.Murray, LL.D., F.S.A. | (Keeper Of Greek And Roman Antiquities In The British Museum). | With numerous Illustrations. | London: | John Murray, Albemarle Street. | 1892.

8°: xii, 483, [1]p; sepia engrav front pl with tissue guard tip-in; 20 other tip-in pls(8 on stiff paper, sepia gravures, 7 litho & part col in red-brown tints); fold tab; 141 text wood engravs. Brown-red cloth, gold friezes, gold title; gold lett & rules on spine. Pale orange patterned endp. 20.5 x 13.5 cm(8 x 5 3/8 in). Uncut. 18s. JSL.

Cont: pl; tp; print data; pref; tab cont; ill list; 10 chs; index; print data.

A general survey with Ch 5, 146-73, on engraved gems, giving a concise view of the art as practised in ancient Greece, with two gravure plates of engraved gems in the British

Museum, and not counting the fine gravure frontispiece plate of the famous engraved gem of Julia. Additional matter on engraved gems also appears on p 40-9. Another issue is identical save for the omission of tissue for the front pl & addition of 32 p catalog of publ books. JSL.

4661. MURRAY, ALEXANDER STUART; SMITH, ARTHUR HAMILTON(1860-1941) & WALTERS, HENRY BEAUCHAMP (1867-1944)

Excavations | In Cyprus | (Bequest Of Miss E.T.Turner | To The British Museum) | By | A.S.Murray, LL.D., F.S.A. | Keeper of Greek and Roman Antiquities | A.H.Smith, M.A., F.S.A. | And | H.B.Walters, M.A., F.S.A. | Assistants in the Department of Greek and Roman Antiquities. | Printed By Order Of The Trustees | Sold At The British Museum | And By Longmans And Co., 39 Paternoster Row | Bernard Quaritch, 15 Piccadilly; Asher And Co., 13 Bedford Street, Covent Garden | Kegan Paul, Trench, Trübner And Co., Paternoster House, Charing Cross Road | And Henry Frowde, Oxford University Press Warehouse, Amen Corner | London | 1990 | [All rights reserved]

2°: [8], 126 p; 14 photograv pls(several part col) in sepia tint, cloth-hinged, bound-in after text; 166 fig; 4 fullp sketch maps; 2 text maps; 1 unnumb text fig; reproductions of inscriptions. Pale red-brown plain cloth over spine; tan paper over bds, paper title label on cover. 42.3 x 28 cm(16 5/8 x 11 1/4 in). Cut. JSL.

Cont: tp; publ data; tab cont; pref; map; text in 3 parts; pls.

The three parts describe excavations and finds made at Enkomi(Murray), Curium(Walters), and Amathus(Smith). Of interest are the considerable number of cylinder seals and engraved gems found at several sites and the jewelry in precious metals and sometimes set with gemstones. The references to these and other items are scattered throughout the text and a number of such are shown on the splendid plates as well as in text figures.

MURRAY, A S, see SMITH, A H

MURRAY, JOHN(d 1820)

Scot chemist, MD; educ Edinb U; MD St Andrews 1814; F Roy Soc Edinb & Geol Soc London. DNB.

4662. -----1807

A | System | Of | Chemistry. | By | J.Murray, | Lecturer On Chemistry, And On Materia | Medica And Pharmacy, Edinburgh. | [taper rule] | In Four Volumes. | [taper rule] | Vol.III. | [taper rule] | Edinburgh; | Printed For Longman, Hurst, Rees & Orme, London; | And William Creech, And A.Constable & Co. | [rule] | 1807.

8°: vii, [1 blank], 704, 64 p; pi^4, A-Xx^8, A-D^8. Pale gray paper bds, red moiré cloth spine, red-brown leather title label. 23 x 14.3 cm(9 x 5 5/8 in). Uncut. JSL. One of 4 vols of first edit, 1806-7.

Cont: 1/2tp; print data; tp; tab cont(this vol); introd; Bk VI.(28 chs); Bk VII.(9 chs); append(after p 704, numbered p 1-64!).

Of interest to the gemologist is the matter in Bk VII, "Of the earths and their combinations," 533-704, in which the first chapter, "Silex," 542-76, includes descriptions and properties of siliceous minerals, among them quartz in its crystalline & chalcedonic varieties, the making of glass, opal and its varieties, obsidian, feldspars, chiastolite, analcime, prehnite, lazulite(recte lapis lazuli), staurolite, garnets, leucite, vesuvianite, olivine, thumerstone(violet axinite), and tourmaline. Under "Argil," in Ch 2, there is a discussion of "Gems" or the gemstones of exceptional hardness p 594-603, which includes the "oriental" varieties of such stones as topaz(actually yellow sapphire), the true topaz of Saxony, the ruby and other color phases of corundum, and also spinels, emerald, beryl, euclase, chrysoberyl, and kyanite. Elsewhere in this volume may be found references to nephrite, serpentine, gypsum alabaster, massive fluorite, and marbles. A work typical of the period in which gemstones were accorded much descriptive space.

4663. MURRAY, JOHN(1768?-1851)

A | Memoir | On | The Diamond. | By | John Murray, F.S.A., F.L.S., F.H.S., F.G.S. | Member of the Meteorological Society of London, and of the Wernerian | Society of Edinburgh, 'Honorary Member' of the Medico-Chirurgical | Society of Hull, of the Medical Society of Inverness, of the Philoso- | phical Societies of Sheffield and Hull; and of the Mechanics' | Institutes of Exeter, Devonport, Portsmouth, Hull, York, | Halifax, and Bristol: 'Corresponding Member' of the | Northern Institution, the Horticultural Society | of Edinburgh, &c. &c. | [rule] | London: | Longman, Rees, Orme, Brown & Green. | [rule] | MDCCCXXXI.

12°: 12 advert p + 61, [1 blank], [6]p + [4 advert]p; blank f supplied ahead of 1/2tp; front litho pl tip-in. V dk blue cloth, paper label on spine. 19.1 x 11.3 cm(7 1/2 x 4 3/8 in). Te uncut; others trimmed. JSL. LC 8-37258.

Cont: adverts; blank f; 1/2tp; front; tp; dedic; advert; pl explan; tab cont; 4 chs; postscript; errata; advert.

The author, a prolific writer, judging from twelve books on medical and scientific subjects listed in the advertisement at the end, writes in an easily understood fashion for the general public. The first chapter takes up history & properties of the diamond and includes remarks on its combustibility and doubts that it was ever manufactured. The second chapter deals with geology, the matrix of the diamond, its crystal forms, and conjectures on origin. Sources of diamond in Asia, Brazil, and in the Ural Mountains are described. The third chapter discusses cutting, describes several famous diamonds, with the latter being further described in the last chapter. The frontispiece plate shows a scale of weights versus sizes of cut diamonds, plus line drawings of the Austrian yellow, Mattan, Nassak, Piggott, Regent, and several other famous stones, including one that appears to be the Hope diamond but not so named. An interesting postscript records the author's thanks to many persons who supported his candidacy(unsuccessful) for the Chair of Chemistry, King's College, the rejection apparently being based on religious grounds. This work is especially valuable for its records of early experimentation in the burning of diamond.

4664. -----1839, 2nd edit

A | Memoir | On | The Diamond; | Including Its Economical And Political History. | By | John Murray, F.S.A., F.L.S., F.H.S., F.G.S. | [rule] | Second Edition | [rule] | London: | Relfe & Fletcher, Cornhill. | [rule] | MDCCCXXXIX.

12°: 84, [4 advert]p; 2 tip-in pls. V dk blue-green cloth, elaborately blind-embossed design in cover centers surrounded by frames; title in gold on spine with small cut diamond. Bright

yellow endp. 19 x 11.3 cm(7 1/2 x 4 1/2 in). Uncut. 5s. LC 8-37258; Ward & Carozzi 1633; JSL.

Cont: 1/2tp; tp; publ data; advert; pref this edit; pl; explan of same; explan of 2nd pl; pl; tab cont; 4 chs; advert.

Considerably enlarged, revised; follows order of first edition. A new plate depicts a series of famous diamonds including the "sky-blue brilliant of France," the "Table" diamond of Russia, Sancy, Koh-i-nur, and others, each meant to represent the originals in full size except for the uncut "Diamond of Portugal." Another issue is printed on thicker paper which has entirely browned except for the plates; I could not determine if it is the first issue of this edition or the second.

4665. MURRAY, L G Exploration and sampling methods employed in the offshore diamond industry. *Proc 9th Commonwealth Mining & Metall Congress, 1969*, vol 2, Applied science, Barking, Essex, England, p 71-94. Not seen.

4666. -----1970 The geological environment of some diamond deposits off the coast of South West Africa. *Gt Brit Inst Geol Sci, Rpt* 70/13, 1970, 119-41.

4667. MURRAY, R W

The | Diamond-field Keepsake | For | 1873. | Dedicated, By Permission, To | His Excellency Sir H.Barkly, K.C.B., | [actual photo print of Barkly in oval-ruled frame] | Published By R.W.Murray, Sen., De Beer's New Rush, And | Printed By Saul Solomon & Co., Cape Town. [nd; title & other pages enclosed in red, single-rule frames]

4°: [2 blank], 38, [2 blank]p; 7 actual photo prints, two of which are inward-folding multiple-photo panoramas; prints captioned in red ink; 1 text fig. Dull purple cloth, gold embossed front cover frame with floral orn inside frame enclosing title, and with an outer blind frame; similar blind stamping back cover. Pale cream glossy endp. 27.8 x 21.6 cm(11 x 8 1/2 in). Cut.

Cont: blank f; tp; publ data; dedic; orn; pref; text; blank f.

Esteemed early account of diamond mining in South Africa, providing the history, details on the Colesberg Kopje, with panoramas and a text figure, the New Rush and Market-Square, with a photo of the market, Klipdrift and Pniel, panoramas, du Toit's Pan, with photo, Old De Beer's diggings, with photo, and ending with a chapter on the labor supply and the digger population, with a photo of typical laborers. All of it is highly interesting and informative and made far more valuable than mere text by the presence of actual photographic prints. In a copy in possession of Mr Richard Hauck of Bloomfield, NJ, the prints are faded to the usual sepia but are still distinct. Very rare.

4668. -----1881 Diamond fields of South Africa. *J Soc Arts*, London, 29, 1881, 370-84. Not seen; from Southey, 48.

4669. -----1894 South African reminiscences. Cape Town, Port Elizabeth, [etc.]: Juta. 1894. 254 p. ill. Not seen; from Southey 49.

4670. MURTHY, M V N Zircon. *Geol Survey India Misc Paper* 9, 1969, 236 p; not seen.

MURTHY, S see KARUNAKARAN, C

MUSAEUS, see ORPHEUS 1517

4670A. MUSARD, Madame Catalogue des perles, diamants, saphirs, émeraudes, rubis, opales, magnifique collier de perles, bijoux variés, dépendant de la succession de madame Musard et dont la vente aura lieu... Paris, 1879. 34 p; 26 1/2 cm. Not seen; from G F Kunz Coll, USGS, GS 34-938.

4671. MUSEUM IDAR-OBERSTEIN.

A regional museum preserving memorabilia and artifacts of the lapidary industry and publishing pamphlets on various aspects of the industry as given below. Publishers: Die Heimatfreunde Oberstein e.V. with Heinrich-Barth-Gesellschaft, D-4000 Dusseldorf. *Heft* 1: Führer durch die Sammlungen, 1931. *Heft* 2: K.E.Wild: Die Edelsteingraveurgewerbe in Idar-Oberstein, 1981. *Heft* 3: Jiri Kourimsky: Die Edelsteine der Tschechoslawakei, 1982. *Heft* 4: H.-M.Closs & P.Gaffga(herausgeber): Das Museum Idar-Oberstein und seine Besucher- Befragungen, Analysen, Meinungen - (=Heft 6 Materialen zur Didaktik der Geographie), 1983. *Heft* 5: Edelsteingravierungen nach J.F.Millet, graviert von Dieter Roth, 1984. *Heft* 6: Cornelius Trebbin: Achate geschliffen in Idar-Oberstein - Amulette, Schmuck und Zahlungsmittel in Afrika, 1985. The last number, for example, is a centerstapled, well-illustrated pamphlet of 44 pages(counting covers).

4672. MUSHAKE, E & MUSHAKE, LUDWIG MARIA ALEXANDER, editors

Europaische Wirtschaft in Einzeldarstellungen |...[2 lines]...| Herausgeber Dr.E.Mushake und Ludwig Maria Alexander Mushake | ldar-Oberstein | und | seine Industrie | [logo] | Mushakesche Verlagsanstalt - Franzmathes Verlag | Trautheim über Darmstadt | Horb am Neckar Frankfurt am Main [nd, ca 1952]

8°: [8 advert], 85, [2], [9 advert]p; addit advert f inserted between p 16-17, 32-33, 48-49, 64-65; 35 photos. Pale tan, print wrap; cover title, advert back cover. 20.7 x 14.9 cm(8 1/8 x 5 7/8 in). Semi-glossy pale tan paper. JSL.

Cont: advert; 1/2tp; tp; introd; fwd; another introd; text; tab cont; advert.

Compilation of articles on Idar-Oberstein & its lapidary industry: "Die Geschichte der Stadt Idar-Oberstein, " 11-20, by Otto Conradt, an excellent historical sketch of the twin-cities and the development of the famous lapidary industry, followed by another article by Conradt, "Die Idar-Obersteiner Achat-, Edelstein- und Diamantindustrie," 21-47, which provides more detail on the agate, gemstone, and diamond industries, and other articles on the jewelry industry, the technical trade school, and the development of the gemological institute.

4673. MUSHKETOV, IVAN VASILIEVICH Nefrit i ego mestorozhdeniya. *Gornoy Zhurnal*, no 6, 1882, 375-424 [Nephrite and its occurrences, *Mining J*, St Petersburg]. Reprinted, with plates, in "Sobranie Sochineniy Ivan Vasilievicha Mushketova, Vypusk 1, 1872-1882 g, ... [XV plates, charts, illustrations & 2 portraits], *Zapiski Imperatorskago Russkago Geograficheskago Obshchestva Po Obshchey Geografiy*, tom 39, vyp 1, St Petersburg, 1910, [2], portrait insert, VI, 614 p. Mushketov's article on nephrite of Turkestan, etc, extends over p 509-78, and includes a part-tinted fold map of the Kien-Lun, showing nephrite rivers and areas, a col pl of nephrite thin sections, and three tinted

view plates. In this extremely important study, the first of sound, professional quality on the nephrite occurrences in Turkestan, Mushketov carefully reviews past comments and visits by explorers and others who visited the area and spoke of the jade, commencing with Barbot De Marny in 1874, and then describing the jade types, chemical composition, structure, and comparisons with nephrites from other world sources, the jade questions, etc.

4673A. -----1886

Turkestan. | Geologicheskoe I Orograficheskoe Opisanie | Po Dannymy. | Sobrannymy Vo Vremya Puteshestviy | S'y 1874 g. po 1880 g. | [wavy rule] | I. V. Mushketova. | [rule] | Tomy Pervye. | Sy prilozheniemy obshchey geologicheskoy karty Turkestanskago basseina, 42 graviury | v'y teksty, dvukhy litografirovannykhy tablitsy i odnoy khromolitografiy. | [orn rule] | C.-Peterburgy. | Tipografiya M.M. Stsiulevicha, Vas. Ostr., 2. Lin., 7. | 1886.

8°: XXVI, [2], 741, [2], [1 blank]p. Pale gray pictorial printed wrap. Ca 27 x 18.5 cm(10 5/8 x 7 1/4 in). Uncut.

The collected works of Mushketov include essentially the same material noted in the previous entry in Ch 10, p 365-99, with the same col litho pl of nephrite thin-sects, tissued, 2 tinted view pls(Tamerlane's tomb), and omitting the previous map of jade occurrences but substituting therefor a large, full-col fold map(53 x 38.5 cm) of the geology of the Turkestan Basin showing thereon routes taken by various explorers, including the author.

4673B. -----1889 Zametka o nefrite i zhadeite s vostochnogo Pamira. *Izvestiya Russk Geogr Obshchestva*, 25, 6, 1889, 454-67. Not seen.

MUSHKETOV, I V, see BECK, W v

4674. MUTIS JURADO, VICENTE & WOKITTEL, ROBERTO Informe sobre los yacimientos esmeraldiferas de los municipios de Ubala, Gachala, Almeida, Macanal y Somondoco. *Inst Geol Nac (Secc Geol Minera Informe)* 1050, Bogotá, Jul 1954, primera parte, [1], 30 f; edgestapled. 28 x 21.7 cm(11 x 8 1/2 in). JSL. On emerald deposits in the named municipalities in Colombia: history of discovery & exploitation, geography, the deposits(active workings, exploited or abandoned, and not exploited), production, commerce. This first part apparently by Mutis Jurado but not so stated; f 2(tab cont) credits Wokittel with authorship of part 2. The latter not seen but contains geography, climate, communications, water power, geology, history of emeralds, the deposits, resume, and bibliography. Annexes to the complete work include a geological map for the region and 3 plans of mine workings. My copy is a photocopy of the original typescript.

4675. MYATT, BILL

Australian and new zealand [sic] | Gemstones | edited by bill myatt | [logo] | paul hamlyn; sydney, london, new york, toronto

Title spread over 2 pages; "Published by Paul Hamlyn Pty.Ltd., 176 South Creek Road, Dee Why West, New South Wales, Australia 2099...First Published 1972... [A pale gray crystal group decorates both pages]

8°: 511, [1 blank]p; 48 b&w photos; 2 fig; 84 col photos on 16 glossy f bound-in; 2 photos spread over 2 pages in map section, the latter consisting of 37 col geogr & geol maps on 24 glossy bound-in f. Ch orns in pale gray. Pale tan-orange cloth-type paper over bds, brown lett, logo on spine. Orange endp. Black glossy dj, col photos, resume, contributor list. 24.1 x 18.5 cm(9 1/2 x 7 1/4 in). Cut. ISBN 0 600 07117 0. JSL.

Cont: 1/2tp; tp & publ data; ackn; how to use book; tab cont; text; map guides; gemstone localities; biblio(p 504-6, ca 89 entries); index.

This work is much more than its title implies because of sections not relevant to the main theme, eg, making jewelry, defining troy weight, birthstones, general geology of the several Australian states and New Zealand, a glossary of geological terms, a short treatise on determinative mineralogy, etc. However, most space is devoted to descriptions of gemstones, their varieties, origin and geological occurrence, occasionally historical notes, and suggestions for lapidary treatment. The arrangement is alphabetical, and is followed by the localities information which gives in useful detail where the gemstones occur and how one gets to the deposits. There is a sub-section on gold and another on thermal regions and manifestations of hot spring activity. The map guides are inserted here and provide index maps as well as detailed colored geological maps which show underlying rocks, cultural features, and mines and mineral deposits. Myatt wrote much of the text but parts were contributed by others who are credited in appropriate places in the text. On the whole, the best work yet to appear describing gemstones of the continent but too much scope is attempted and many subjects that should have been treated in depth are written off in a few words which do more to confuse than to to instruct, for example, the contributions on mineralogy, gemology, and gem cutting. The section on gemstone identification contains numerous redundancies. The color photographs include species that have never been considered as raw material for gemstones, ie, aurichalcite, marshite, stolzite, autunite, inesite, and others. Many of the color geological maps, somewhat modified, were used in the publisher's *Gemhunting Atlas of Australia*, which see. Rev *J Gemm*, 13, 6, 1973, 233; *Austral Gemm*, 11, 9, 1973, 25-6.

4676. -----1974

The Paul Hamlyn | Dictionary Of | Australian | Gemstones | edited by Bill Myatt | [logo] Sydney London New York Toronto [Paul Hamlyn Pty Ltd, 1974; title decor over 2 p]

8°: 191, [1]p; 21 b&w photos; 76 col photos on 16 boundin glossy f; 2 fig. Black, cloth-type paper over bds; white lett spine. Col dj, resume. 27.9 x 20.4 cm(11 x 8 in). Cut. ISBN 0 600 07240 1. JSL.

Cont: 1/2tp; tp; ackn & publ data; tab cont; 7 chs; biblio(p 191, 37 entries); blank p.

Topics: general advice & instructions on prospecting, prospecting for gold, mineral collecting, jewelry making, troy weight, birthstones, gemstone identification, which, as noted above, is mainly a description of native gemstones. A shortened adaptation of the previous number. Rev *J Gemm*, 14, 7, 1975, 345; *Austral Gemm*, 12, 4, 1974, 139, which notes that the "title ...is rather a misnomer, since not all of the minerals listed are gemstones, nor do all of them occur in Australia."

4677. MYER, HERMAN Pearls: how to find and how to value them. New York City: Herman Myer, 41 and 43 Maiden Lane. No date; not seen; from Washburn *American Pearls*, p 31, which see.

4678. MYER, ISAAC

Scarabs. [underlined] | The | History, Manufacture And Religious | Symbolism | Of The | Scarabaeus, | In | Ancient Egypt, Phoenicia, Sardinia, | Etruria, Etc. | Also | Remarks On The Learning, Philosophy, Arts, Ethics, | Psychology, Ideas As To The Immortality Of | The Soul, Etc., Of The Ancient Egyp- | Tians, Phoenicians, Etc. | By | Isaac Myer, LL.B. | Member of the American Oriental Society. The American Numismatic | and Archaeological Society. The Numismatic and Antiquarian | Society of Philadelphia. La Société Royale de Numis- | matique de Belgique. The Oriental Club of | Philadelphia. The New York Historical | Society. | Historical Society of | the State of Pennsylvania, | etc. | Author Of The Qabbah. The Philosophical Writings Of | Solomon B.Yehudah Ibn. Gebirol, Or Avicebron; | The Waterloo Medal, Etc. | For Sale By | Edwin W.Dayton, | No.641 Madison Avenue, | New York | [to left, 3 lines:] Otto Harrassowitz, | Querstrasse No.14, | Leipzig. | [to right, same levels:] Émile Bouillon, | No.67, Rue de Richelieu, | Paris | 1894.

4°: [blank f supplied] + xxvii, [1 blank], 177, [2 blank], [1]p + [blank f supplied]. Dk maroon, ribbed cloth, gold Egyptian deity on cover with gold lett; gold lett, rules, orn, scarab on spine. Grayish-green floral endp. 18.5 x 12.5 cm(7 1/4 x 5 in). Cut. JSL.

Cont: blank f; 1/2tp; tp; publ data; introd; tab cont; 10 chs; append; index; 2 blank p; print data; blank f.

One of the earliest comprehensive monographs on scarab gems and not merely a catalog of examples with brief remarks as was too common a practise at the time. The introduction reviews previous writings and includes mentions from ancient authorities on the subject as well as recent works from about 1880 onward. However, as mentioned above, most of the latter are no more than annotated catalogs of collections. The text examines the derivation of the word "scarabaeus," describes the natural history of the insect, development of symbolism in connection with the habits of the insect, the manufacture of scaraboid amulets, significance of engravings thereupon, types, applications as amulets to corpses, the scarab amulet in Egyptian theology, forgeries, scaraboid gems used by other cultures, and other topics, all of which taken together forming a remarkable study of authority and interest. While no special portion of the text deals with gemstones used in the manufacture of scarab gems, references to them may be found in plenty of places in the text.

4679. -----1894, London edit

Scarabs. |...| The Waterloo Medal, Etc. | London. | D.Nutt, 270, Strand. | 1894. [Identical text; JSL]

MYKURA, W , see BÖRNER, R, 1962

4680. MYLIUS, GOTTLIEB FRIEDRICH

G.F.M. | Memorabilium | Saxoniae Subterraneae. | Pars Prima. | i.e. | Des Unterirdischen Sachsens | Seltsamer Wunder | Der | Natur. | Ersten [-Anderen] Theil. | Worinnen | die | Auf denen Steinen an Kräutern/ Bäumen/ Bluhmen/ | Fischen/ Thieren/ und andern dergleichen/ besondere Abbildungen/ | so wohl/ Unsers Sachsen=Landes/ als deren so es mit diesen | gemein haben | gezeiget werden/ mit vielen | Kupffern gezieret. | Mit Königl. und Churfl. Sächss. Privilegio. | [rule] | Leipzig/ | In Verlegung des Autoris, zu finden bey | Friedrich Groschuffen,1709[-1718]. [tp in red & black for 1st pt only]

4°: [6], 80, [19], [1 blank]p;):(^{4}[an f missing?], A-M^4, N^2. Bound-in fold engrav pl front + 15 bound-in engrav pls(many fold; 1 in pale sepia); 1 text engrav; orn inits, ch orns. 17.2 x 14.5 cm(7 1/8 x 5 3/4 in). Cropped. BM(NH).

Cont: front; tp; pref; text; index & errata; blank p. Part II: G.F.Mylii | Memorabilium | Saxoniae | Subterraneae | Pars.II. | i.e. | Des | Unter=irdischen Sachsens | Seltsamer Wunder | Der Natur | Anderer Theil. | [orn rule] | Leipzig | Zu finden bey Friedrich Groschuffen, | Anno 1718.

4°: [1], [1 blank], 89, [1 blank]p; A-L^4 + an unsigned f which, along with title f, appears to be supplied; 14 bound-in engrav pls(many fold); 15 text engrav. Cont: tp; text; blank p.

Splendidly illustrated work on the underground riches of Saxony but with most space given to fossils, dendritic stones, figured stones, etc, despite the fact that the real wealth of Saxony lay in its metallic ores. To be sure Mylius does not neglect such ores altogether but they are not treated in a manner commensurate with their real value. Among the highly interesting plates in the first part are some fine depictions of dendrites, one supplied in pale sepia tinting. The second part of the work is of greatest gemological interest inasmuch as the first "Relation" or account, 28 pages, is on the standard commercial gemstones as diamond, ruby, sapphire, and the like, but more importantly, provides also a substantial section on the freshwater pearls of Saxony, illustrated with a plate of a typical *Unio* shell. The accounts of gemstones are somewhat disjointed and the whole appears to be an attempt to attach more importance to their occurrences in Saxony than they merit. It is not clear if Mylius was expert in mineralogy inasmuch as he discusses diamond and quartz together. Many authorities of antiquity are cited. Among the attractive plates are several of quartz-crystal-lined geode, quartz crystals on matrix, and quartz single crystals. Rare.

MYRES, JOHN LINTON(1869-1954)

Brit classical historian, archeologist; b Preston, Lancs; educ Winchester, Oxford; prof Greek Liverpool U; Wykeham Prof Anc Hist Oxford, 1910; ret 1939; hon degrees Wales, Manchester U, etc; Victoria Medal Roy Geogr Soc 1953; knighted 1943. DNB.

4681. ---1914

The Metropolitan Museum | Of Art | [rule] | Handbook Of | The Cesnola Collection | Of Antiquities From | Cyprus | By | John L.Myres | Wykeham Professor Of Ancient History | In The University Of Oxford | New York | MCMXIV

Last p: "Of This Book An Edition Of 1,000 Copies Has Been Printed November, 1914" [by The Gilliss Press]

16°: [1], [1 blank], lv, [1 blank], 596, [1], [1 blank]p; tip-in note at p xxiii on movement of parts of the collection; front sketch map of Cyprus; ca 469 illust (mostly small photos; 2 figs on a doublef bound-in betw 462-3). Stiff, pale brown wrap, front cover dec with Cypriote designs & motifs in large panel with title at top; spine title; back cover plain. Pale brown endn. 22.4 x 14.1 cm(8 3/4 x 5 1/2 in). Te cut, others untrimmed. Wrap overlaps slightly. JSL.

Cont: 1/2tp; front; tp; publ data; pref; tab cont; introd; biblio(p xliii-lv, 169 entries); blank p; text tp; text; append tp;

inscriptions; indices tp; tabs of ref; index; edit note & logo; blank p.

Very thorough, detailed descriptive catalog of the many hundreds of objects obtained by Luigi Palma Di Cesnola(1832-1904) from Cyprus and eventually acquired by the Metropolitan Museum of Art in New York City. DNB, (Myres), calls it "an exemplary catalogue," and as such it is far more than a mere listing. For example, the introduction provides a history of the collection interwoven with remarks on the colorful career of Cesnola and incorporating a brief but valuable essay on the history of Cypriote peoples and their cultures, a field in which Myres was particularly expert. The objects are classified according to type, eg, pottery, sculpture, terra cottas, etc, and includes a small chapter on miscellaneous stone objects, another on gold and silver ornaments, one on finger-rings, 405-26, passim, and notable for the rings which are set with gemstones or engraved gems and chapter on cylinder and other seals, 429-53, passim.

NABARRO, F R N, see LEVITT, C M

NABIL, M, see MEEN, V B & TUSHINGHAM, A D, 1977

4682. NA CHIH-LIANG, also NA ZHILIANG

Yü-ch'i t'ung-shih [General history of Chinese jade]. 2 vol. Hong Kong & Taipei, 1963, 1970. Not seen. From Loehr & Huber, *Ancient Chinese Jades*, 1975, p 436. The same in modern spelling:

4683. -----1965, by NA ZHILIANG Yuqui tongshi. Hong Kong, 2 vol, 1965; 209, 308 p, 116 pls, many text fig, 26 x 19 cm, paper. Not seen, from Han-Shan Tang, London, List 28, 1985, no 61, "a most thorough study of archaic jades, by the expert at the National Palace Museum [Taipei]." Yang, 17.

4684. -----1966

Chinese Seals | The collection of Ralph C.Lee | By Na Chih-Liang | Photographs by Marjory Gay Walter [at end: "Privately Printed by Allan Lee in Taiwan - 1966. Edition Limited to 600 copies. This is copy No.532."]

8°: [6], 112, [2]p; front portr photo; 40(actually 44) photo pls each showing photos of seals and red impressions; 20 text fig(line drawings). Bright blue cloth, gilt title & seal on cover. Pale greenish-blue pattern endp. 25.9 x 18.4 cm(10 1/8 x 7 1/4 in). Cut. JSL.

Cont: portr front; tp; tab cont; text; pls & explan; vita; publ data.

The preface explains how this book came to be written after the death of Lee in 1963; much of the information on seals is based on research and notes left behind by Lee who intended to write a large monograph on the subject. Provides a brief history of seals and use, earliest known types, cylinder seals, references to seals in the Bible, seals in Western cultures, etc, but the major portion of the introductory text is on Chinese seals, their origins, materials used, carvings thereon, etc, after which is given the catalog. Jade and other ornamental stones are used in some of the seals, also ivory, and other gem materials.

4685. -----1977

Chinese Jades: Archaic and Modern | from The Minneapolis Institute of Arts | Foreword by Samuel Sachs II | Introduction by Dr Na Chih-liang | Charles E.Tuttle Co. Inc. | Rutland, Vermont | and Tokyo, Japan [1977; title spread over 2 p]

P [4]: "Harold Peterson, editor, Nancy Åkre, associate editor, Vera Shu-Ning Sun-Bailey, translator and researcher, Gary Mortensen, photographer."

8°: 176 p; 9 fig; 29 col photos on 15 glossy f bound-in; 191 b&w text photos. Dk gray-green paper over bds, gilt spine, dk tan endp. White dj, 4 col photos each cover; resume, other publ bks. 26.7 x 18.8 cm(10 1/2 x 7 3/8 in). Cut. $25.00. ISBN 8048 1235-5. JSL. Yang 1709.

Cont: 1/2tp; tp; publ data; tab cont; ackn; fwd; introd; col pl index; col pls; cat; biblio(p 171-4, 147 entries); chronol; gloss.

P 6: "In 1972 Dr Na Chih-liang... came to Minneapolis to catalogue the collection," and it will be found that by far the greatest portion of the text was written by him, including the introduction as well as the catalog, although the title gives the impression that his role was a minor one. His introduction treats jade sources, colors, luster, lapidary work, artistry in carving, Indian jade, styles, motifs, totems, animals, and bases of carvings that are dated. The beautifully done photo plates appear next and are followed by the catalog in which photographs are printed to face matching descriptive texts. There are 235 pieces, by far most being archaic, and some modern pieces in stones other than jades. Color plates excellent but rough paper causes black-and-white photos to be less distinct and some pale-colored pieces have lost much detail. The bibliography contains a large number of references from the Chinese. G M Born, p 272-3, entered this book under Peterson as editor.

4686. -----1981, as NA ZHILIANG Gu yu jiancai. Taibei, 1981, 267 p, 58 pls(24 col), may text fig, biblio. 29 x 22 cm, cloth. Not seen; from Han-Shan Tang, London, List 28, 1985, no 60. Yang no 19,

4687. -----1982, as above, editor. Yuqi cidian [Dictionary of Chinese jade]. Taibei, 1982, 2 vols. 456. 391 p; 3448 text Illust; biblio. 22 x 15 cm, Cloth, Not seen; from Han-Shan Tang, London, List 28, 1935, no 62. "The first volume is a word dictionary... second volume contains 3448 illustrations of jades grouped by subjects, giving date, size and source, in Chinese only, but still useful."

4687A. -----1983, as above, Gu yu lunwen [A collection of essays on antique jade]. Taibei, 1983, 733 p, Chinese text, over 100 b&w illus, 4 col pls. 21 x 15 cm. Paper, Not seen, from ibid, no 59.

NA CHIH-LIANG, see WU TA-CHENG

NADELHOFFER, HANS, see CARTIER, INC

4688. NAGY, ALADÁR(1856-1890)

A Drágaköveknek | Mint Ékszereknek | Valódiságok Ismertetése, Becse És Árszabása. | A Közéletben és kereskeldemi szempontból való hasznalátra | irta | Nagy Aladár | [logo] | Budapest. | Légrády Testvérek. | 1875.

8°: 57, [1 blant], [2]p. Pale gray wrap, title in double-rule frame on cover; adverts elsewhere. 22.7 x 14.5 cm(8 7/8 x 5 3/4 in). Uncut. USGS Kunz Coll, GS 34-422.

Cont: tp; pref; text; blank p; index.

"Precious stones for jewelry, as jewelers appraise them, value, and rate them." A general treatise; properties & descriptions.

NAIRIS, H J, see BANK, H, 1970

4689. NALDI, PIO

Delle Gemme | E Delle Regole | Per Valutarle. | Operetta Ad Uso | Dei Giojellieri | Principianti. | Si Aggiungono In Fine Varie Notize | Con Disegni Esatti | Di Alcune Gemme Più Insigni. | [engrav vignette] | Bologna. | [curved bracket, pointing down] | Dalla Stamperia Di San Tommaso | MDCCXCI. | Con Approvazione. [1791; author's name at end of dedic]

8°: [8], 230, [1], [1 blank], 107, [1]p; pi^6, a-o^8, p^4, a-f^8, g^6; 26 text engrav; ch orns. 20.8 x 15 cm(8 1/8 x 5 7/8 in). Cropped. JSL.

Cont: tp; dedic; introd; text to p 224; index(225-30); 1/2tp to 2nd part; blank p; text with engrav figs(p 1-107); vidit & imprim(dtd I Martii 1790).

This interesting and worthy text is divided into two distinct and actually unrelated parts, the first being a course of instruction for apprentice jewelers and the second, descriptions of large and famous gems. Each part is paged separately, the first written as a dialogue between a certain *Litofilo*, who asks the questions, and the expert, *Diadascolo*, who answers them. During the dialogue much is elucidated on the reasons why gems are held in high esteem, and giving examples of diamond prices(taken from Tavernier, De Boodt, Mosquera, Dutens, etc), along with comments on principal gem-producing regions, weight sytems for gems, commerce in rough and cut gemstones, forms of rough, cutting, hardness, and absence of flaws as vital to final value. Following sections describe the gemstones, beginning with a large treatise on diamond, then passing on to ruby, spinel, opal, sapphire, topaz, zircon, emerald, and others, and including the crystalline and chalcedonic varieties of quartz, jades, petrified wood, various ornamental materials, stones useful for engraved gems, lapis lazuli, aventurine, coral, and the pearl, the last given in considerable detail and subdivided according to types of pearls and their shapes. All of it is non-technical but references are made in places to the formal mineralogies of Wallerius, Romé de l'Isle, and others. The second part of the book describes 26 large or famous gems, each illustrated by an engraving in which shadings are imparted as well as the usual sharp lines of the burin. Most of the illustrations are copied from Tavernier and include the Grand Mogol and Grand Duke of Tuscany diamonds, among others, and include several examples of large pearls. All gems are identified in the text, their weights given, and shown in natural size in the engravings. A rare work.

NAPIONE, CARLO ANTONIO GALEANI(d 1814)

Ital mineralogist; b Turin; a brother, Count J Galeani Napione, was a noted dramatist & litterateur. Pogg 2, 253.

4690. -----1795

Memoria Sul Lincurio | Del Cavaliere | Carlo Antonio Napione | Maggiore D'Artiglieria | Inspettore E Consigliere Delle Miniere Al Scienze di Torino, | di Stokolm, e della Società Montanistica di Germania. | [orn rules] | Roma | Presso Antonio Fulgoni | L'Anno cIↃ. IↃcc.xcv | [wavy rule] | Col Permesso

4°: XIV, [1]p; a^8; 23.5 x 18.7 cm(9 1/4 x 7 3/8 in). Cropped. Cont: tp; pref; text; imprim.

Careful examination of ancient writings to clarify the etymology of the word "lincurio," in English, "lyncurium," which Pliny defined as the hardened urine of the lynx, but which term Napione believed may have been derived from amber or another mineral found in the Italian province of Liguria. He concludes that errors in rendering the word in antiquity resulted in "lyncurium" instead of "ligurium," which he believes is correct and probably refers to Baltic amber which made its way into Liguria. Authorities consulted: Theophrastus, Gesner, Gmelin, Hill, Virgil, Pliny, Ovid, Tacitus, etc. Apparently privately published. Rare.

4691. NARAHARI, fl 1235-1250

Die | Indischen Mineralien, | Ihre Namen | Und Die Ihnen Zugeschriebenen Kräfte. | Narahari's Râǵanighantu Varga XIII | Sanskrit Und Deutsch | Mit Kritischen Und Erläuternden Anmerkungen | Herausgegeben Von | Dr. Richard Garbe | A.O.Professor An Der Universität Königsberg. | [rule] | Leipzig | Verlag Von S.Hirzel | 1882.

8°: 104 p. Not seen; from USGS Kunz Coll, 34-738.

4692. -----1974, reprint ON SHELF UNDER "GARBE, R."

Richard Garbe | Die indischen Mineralien | ihre Namen und die | ihnen zugeschriebenen Kräfte | Narahari's Râǵanighantu Varga XIII | Sanskrit und Deutsch | Mit kritischen und erläuternden | Anmerkungen herausgegeben | [logo] | Verlag Dr.H.A.Gerstenberg · Hildesheim | 1974

12°: [3], X, 104 p. Bright red cloth over paper; gold title on cover & spine. 21.9 x 13.9 cm(8 5/8 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; orig tp; dedic; fwd; Sanskrit text; meter notes; transl tp; transl; index; Sanskrit index; Ger index; errata.

Garbe's entire work is reproduced in facsimile, including the original titlepage. Garbe notes the lack of any significant monograph in Sanskrit on minerals but after searching the literature discovered Narahari's treatise. The latter, a Kashmir physician, produced a larger work entitled "King of Dictionaries," of which the mineralogical treatise is a part; it was written between 1235 and 1250 AD. Extracts are divided into I Metals, II Non-metallics, and III Precious Stones, the last occupying p 70-91 of the German translation. It contains notes on synonymy, short essays on ruby, pearl, coral, emerald, topaz, diamond, sapphire, hyacinth, and cat's-eye, the classic nine precious stones of Indian gemological lore, and an essay on their connections to the nine planets. Other gemstones are rock crystal, sunstone, "Scheindiamant," moonstone, lapis lazuli, and turquoise, all of which are furnished with their alternate names or synonyms as used by the natives of India, their medicinal or curative powers, and remarks on color, quality, etc. Garbe depended heavily on the *Mani Mala* of Tagore, which see, but remarked on its defects that required its information to be used with caution. Garbe's translation of Narahari is an invaluable addition to the early Indian gem lore and provides a useful supplement to Tagore. Richard von Garbe(1857-1927), was a noted Sanskrit scholar and professor in the University of Königsberg.

NARAMORE, C, see AUBREY, L E

4693. NARBUTT, TEODOR Dzieje starozytne narodu litewskiego. Wilno, vol 2, 1837, on amber, p 204-11, 457-75. Not seen.

NASSAU, KURT(1927-)

Chemist: b Stockerau, Austria; BSc Bristol U 1948; emigrated to US in same yr; PhD Pittsburgh U 1959; researches in crystal growth, laser, optics, esp Bell Telephone Lab, NJ; prolific writer & popularizer scientific subjects.

4694. -----1964 Growing synthetic crystals. *Lap J*, 18, 1, 1964, 42-5(ill, part col); 2, 313-7; 3, 386-9; 4, 274-7, 483; 5, 588-35; 6, 690-3. Includes gem materials.

4695. -----1975 The origins of color in minerals and gems. Ibid, 29, 5, 1975, 920-30(ill, some col); 6, 1060-70; 7, 1250-8.

4696. -----1976 Synthetic emerald: the confusing history and the current technologies. Ibid, 30, 1, 1976, 196-202(ill, 50 ref); 2, 468-72, 488, 490, 492 (col photos, refs 51-8).

4697. -----1978 Did Professor Nacken ever grow hydrothermal emerald? *J Gemm*, 16, 1, 1978, 36-9; 9 fig, 18 ref. Proves that the crystals were flux-grown.

4698. -----1980 The history and present status of the synthetic quartz family. *Lap J*, 34, 3, 1980, 718-26, ill; 4, 856-63, refs.

4699. -----1980

Kurt Nassau, Ph.D. | Gems | Made | By | Man | Chilton Book Company Radnor, Pennsylvania [1980; title enclosed in single-rule frame]

Cementb: xviii, 364, [2 blank]p; 34 col photos on 8 bound-in glossy f; 214 figs(photos, drawings, graphs); 38 tabs. Pale gray cloth-type paper over bds; silver lett on cover & spine. Ivory endp, flecked with grayish threads. White dj, col gems on cover; resume, vita, tab cont. 23.4 x 15.6 cm(9 1/4 x 6 1/8 in). Cut. $28.50. LC 78-14645; ISBN 0-8019-6773-2; JSL.

Cont: 1/2tp; quot; tp; publ data; dedic & quot; tab cont; fwd; pref; ackn; 26 chs in 8 sects(each sect with own tp); epilog; prospects for future; index; blank f.

By far the most important compilation on synthetic gem materials yet to appear in any language. Especially valuable are short histories which recount past experiments and lead to understanding of modern methods of synthesis and how they were developed. The first section of two chapters discusses the beginnings of synthesis, the attributes of gems which encouraged attempts to duplicate them, gem-testing techniques, noting that these were commonly developed precisely because synthetics were created, while the second section treats the classic early products beginning with Verneuil's development of the flame-fusion process for corundums, along with decriptions of other methods for manufacturing corundum single crystals, and information on their appearances and properties. Section three, in like manner, treats hydrothermal growth of quartz, four treats the highly interesting story of emerald syntheses, beginning with the first attempts in late 19th century and tracing developments up to date, including the highly successful and profitable methods used by Chatham of San Francisco and Gilson of France. Section five deals with diamond syntheses, both imagined and real, successful modern methods, and also some unusual techniques that promise much. Section six considers those materials which largely imitate diamond as corundum, spinel, rutile, strontium titanate, YAG and GGG, and cubic zirconia. Section seven is a catch-all for the remaining materials as alexandrite, various spinels, the rare-earth garnet-like substances, opal, turquoise, lapis lazuli, glasses, ceramics, plastics, and composites, along with remarks on the treatment or enhancement of certain materials to induce or improve coloration. The eighth and last section of two chapters discusses crystal growth and the origins of color in crystalline materials, in both fields the author being particularly expert. There is a wealth of photographs, many of historical interest, and also many clear line-drawings of apparatus, atomic structures, graphs, etc. Color photographs depict early synthetics in cut & rough forms, modern corundums and emeralds, apparatus, and a large number of cut gems to show the very wide range of hues available in them. No consolidated bibliography but references grouped at ends of chapters. While the writing is factual, it is by no means dry and in fact is often entertaining and above all, understandable without much special technical knowledge being required on the part of the reader. *Rev Gems*, 12, 6, 1980, 44; *R & M*, 56, 2, 1981, 77-8. Facsimile reprint by Gemological Inst America, Santa Monica, Calif, 1987.

4700. -----1983

The Physics and | Chemistry of Color | The Fifteen Causes Of Color | Kurt Nassau | A Wiley-Interscience Publication | John Wiley & Sons | New York / Chichester / Brisbane / Toronto / Singapore [1983]

"Wiley Series In Pure And Applied Optics."

16°: xx, [1], [1 blank], 454, [4 blank]p; ca 245 fig; 30 tab; 31 col photos on 4 glossy f bound-in betw p 234-5. Gray cloth, title in white & blue on cover & spine. Col dj, resume, vita, other publ bks. 22.8 x 15.1 cm (9 x 6 in). Cut. LC 83-10580; ISBN 0-471-86776-4. $43.95; £ 45.95. JSL.

Cont: bk list inside front cover; 1/2tp; tp; publ data; dedic; poetic citats; pref; ackn; tab cont; text tp; 14 chs; appends A-G; index; 2 blank f. Append G is biblio, p 432-40, ca 112 entries.

Remarkable, all-inclusive, and the first time that all of the causes of color have been discussed in one place, and covering color of every type and emanating from all manner of materials from gaseous to solid, eg, atmospheric phenomena, color in liquids, in gemstones, in dyes, upon the feathers of birds or the wings of insects, etc. Several chapters treat gemstone color: Ch 5, colors emanating from the presence of transition elements as in ruby, sapphire, emerald, etc, Ch 7, charge-transfer colors in sapphire, Ch 9, color centers in smoky quartz and amethyst, and more. Treatment largely on college/university level but much is readily understandable to the modern trained gemologist. There are numerous color photographs depicting color in many types of materials, including gemstones. Rev *J Gemm*, 19, 6, 1985, 547; *Sci Amer*, 250, 5, 1984, 27; *The Times*(London), Higher Educ Suppl, May 11, 1984, 22.

4701. -----1984 Heat treatment used on gemstone materials. *Lap J*, 38, 1, 1984, 18-24, 38-42, 7 ref; 2, 292-99, refs 8-30.

4702. -----1984

[rule] | Gemstone Enhancement | [rule] | Heat, Irradiation, Impregnation, Dyeing, and other | Treatments which alter the Appearance of | Gemstones, and the Detection of such

Treatments | Kurt Nassau, PhD | Butterworths | London Boston Durban Singapore Sydney Toronto Wellington [1984]

16°: xiii, [1 blank], 221, [5 blank]p; 80 fig, 18 tab, 27 col photos on 4 glossy f bound-in betw p 130-1. Black, leather-like plasticized paper over bds; silver spine title. Black dj, col phot, resume, vita; adverts; 23.4 x 16.3 cm(9 1/4 x 6 3/8 in). Cut. LC 84-3165; ISBN 0-408-01447-4. $34.95; £ 20.00. JSL.

Cont: 1/2tp; other bks of author; tp; publ data; dedic; pref; ackn; tab cont; 7 chs; appends A-D; index; 5 blank p.

The only book that I know of, yesterday or today, that discusses so thoroughly and clearly the astonishingly numerous methods and "tricks" that have been used throughout the history of man's acquaintance with gemstones to enhance their appearance in some way. It forms a fascinating, eminently readable text that discusses the basic problems, describes early attempts at enhancement, some many hundreds of years old, and the more recent methods and substances applied to the intent to improve if not deceive. All of the methods are carefully described and the principles behind them explained, with examples given. There are chapters on heat treatment and irradiation by light and other forms of electromagnetic energies, and several appendices which consider these methods in more technical detail. The major text is taken up with a descriptive table of gemstones arranged in alphabetical order, in which the treatments directed toward them are identified, from amber to zircon. The reader will also find in the text succinct discussions of color theory, heating apparatus, chemicals, sources of information, and other data. References are given at the ends of discussions. Rev *Lap J*, 38, 11, 1985, 1462-3; *J Gemm*, 19, 4, 1984, 377-8; *Brit Jeweller*, Nov 1984, 54.

4703. -----1985 The early history of gemstone treatments. Lap J, 38, 11, 1985, 1406- 12, refs 1-7c; 12, 1532-40, refs 8-37. Ibid: Miscellaneous gemstone treatments, 39, 2, 1985, 254-62, col ill, refs 1-15; 3, 30-40, refs 16-42; 4, 16-23, ref 20.

4704. NASSAU, KURT & CROWNINGSHIELD, ROBERT The nineteenth century, Verneuil, and the mystery of the "reconstructed" ruby. *Lap J*, 23, 1, 1969, 114-9, ill, some in col; 28 ref; 2, 313-4, 334-8, refs 29-39; 3, 440-6, 30 ref; 4, 621.

4705. NASSAU, KURT & JACKSON, K A Trapiche emeralds from Chivor and Muzo, Colombia. *Amer Min*, 55, 3/4, 1970, 416-27, 6 fig. Shows that the sectored "trapiche" crystals grew in two stages; outer zones are beryl & albite. Correction, ibid, 55, 9/10, 1970, 1808-9, trapiches stated to be from Chivor actually from Peña Blanca mine, nr Muzo.

4706. NASSAU, KURT & NASSAU, JULIA Dr.A.V.L.Verneuil and the synthesis of ruby and sapphire. *Lap J*, 24, 10, 1971, 1284-96, refs, ills; 11, 1442-7, refs; 12, 1524-32, refs.

4707. -----1978 The history and the present status of synthetic diamond. *Lap J*, 32, 1, 1978, 76-96, passim, ill, 27 ref; 2, 490-508, refs 28-57.

NASSAU, KURT, see CROWNINGSHIELD, R; also WOOD, D L

NASSIF, M A, see MARENSI DE MOURA, O J, et al

4708. NASTASIYENKO, Ye V Formatsionnyie tipy mestoroszhdeniy agata i perspektivy ikh nakhozhdeniya na territorii SSSR [Formation types of agate deposits and the prospects of locating them in the territories of the USSR]. "Slyuda i p'yezooptichеskoye syriye;" editor: A V Osinsky, *Trudy, Vesesnoyuznyie Nauchno- Issledovatelskiy Geologicheskiy Institut*, Moskva, vol 283, 1979, p 112-32, 1 tab, 21 ref. Not seen.

4709. NATIONAL ASSOCIATION OF CREDIT JEWELERS

The | Diamond | Book | The story behind the | most beautiful... | the most fascinating |... of all Gems [Title sic; np, 1938; wrap title]

Centerstapled: 16 p; numerous col vignettes, ch orns, line drawings, diagrs, etc. Blue wrap, white title on cover with panel, rules, line drawings. 16 x 11.5 cm(6 1/4 x 4 1/2 in). Cut. JSL.

General information and advice on buying diamonds aimed at the public; printed in large number for further distribution by member stores.

4710. NATIONAL ASSOCIATION OF GOLDSMITHS OF GREAT BRITAIN & IRELAND

The National Association | Of Goldsmiths Of Great | Britain & Ireland | Year Book | [logo] | 1936-1937 | Precious Gems Issue | Two Shillings And Sixpence | Published for | The National Association of Goldsmiths of Great Britain | and Ireland by | Heywood & Co.Ltd. | Drury House, Russell Street, Drury Lane | London, W.C.2 | Copyright in all countries | 29 [title enclosed in orn ruled frame]

8°: 164 p; 1 text fig. Reddish-orange paper over bds, black title on cover & spine. 20.5 x 14 cm(8 x 5 1/2 in). Cut. JSL.

Cont: advert p 1-28; tp; adverts; tab cont; adverts; fwd; advert; text; adverts; mbrships in assoc; advert; text with interspersed adverts; info on Gemm Assoc with advert; adverts; index to advertisers & adverts.

Short articles on diamond by A Monnickendam, pearls by B W Anderson, Mikimoto pearls unsigned, synthetic gems by B W Anderson, principal "fancy" gems by various authors, gem collections by J H Stanley and translucent gems by same, "How the study of gemmology has benefited me," by various trade individuals, birthstones by R H Naylor, then a birthstone list, chemical compositions, properties, biblio(p 77, 32 entries), and gloss.

4711. NATIONAL MUSEUM OF HISTORY, REPUBLIC OF CHINA Ancient Chinese jade[Zhongguo Gudai Yuqi]. Taibei: 1981, 144 p, 101 col pls; text & captions in Chinese & Engl; 29 x 21 cm; cloth. Not seen: from Han-Shan Tang, London, List 28, 1985, no 63: "many objects excavated from Xincheng and Huixian in Henan Province... illustrates 138 selected objects including jades from private Taiwan collections on loan to the museum."

4712. -----1984 Chinese jade [Zhongguo Yuqi]. Taibei: 1984, 198 p, over 80 col pls; text captions in Chinese & Engl; 23 x 21 cm; paper. Not seen, from ibid, no 64, "basically an expanded version of the Museum's 1981 publication "Ancient Chinese Jade"... 20 supplementary jades, showing a total of 147 objects including items from other collections."

NATIONAL MUSEUM OF SWEDEN *Celadon*. See GYLLENSVÄRD, BO

4713. NATIONAL PALACE MUSEUM, REPUBLIC OF CHINA

Exhibition | Of | Chinese Antiquities | And | Works Of Art | September-November | 1964 | [left, the Chinese title; center, a vase] | Volume I | Catalogue of the treasures | from | The National Palace Museum | and | The National Central Museum

Back wrap: "Compiled and Published by The Preparatory Committee of The Exhibition of Chinese Antiquities and Works of Art, Taipei, Taiwan, The Republic of China, N.T. $25.00, U.S. $00.60." In 3 vols, similar format but differing col photos on front wraps; price vol 2 same; vol 3 N.T.$20.00, U.S.$00.50. Edgestapled: I: [22], 48, [1]p; 12 col photos, 193 b&w photos; II: [14], 63, [2]p, 7 col photos, 155 b&w photos; III: [10], 36, [1]p, 8 col photos, 69 b&w photos. Greenish-tan glossy wraps, Engl & Chinese titles both covers; Chinese only on spines. Tip-in flyleaves, cemented to wraps. 26 x 19 cm(10 1/4 x 7 1/2 in). Cut. Hinged to right. JSL.

First 2 vols on objects in the National Palace Museum, third vol on objects in National Central Museum. Vol I bronzes, porcelains, jades(nos 135-167), and calligraphy; II painting, documents, textiles, writing parephernalia, lacquer, enamels, and miscellany, including in the last several examples of carved rhinoceros horn and one of coral, and finishing with musical instruments. The final volume catalogs bronzes, ceramics, jades (nos 417-34), oracle bones, and stone objects. Objects are described, materials identified, dated, but no dimensions given. The collections are part of the cultural treasures transported from mainland China to Taiwan when Chang-Kai-shek and his Nationalist Army were forced to flee from the victorious Communist Chinese in the post World-War II period. Many of the objects are of the highest quality in materials and design but aside from those shown upon the good color plates the remainder shown on the black-and-white photographs are poorly reproduced.

4714. -----1970

[Chinese title] | Masterworks of Chinese Jade | in the National Palace Museum | [publ data in Chinese] | Published by the National Palace Museum | Taipei, Taiwan, Republic of China [1970]

A slip pasted to last blank f states that the work was copyrighted in 1970 by the firm of Gakken, Japan, and printed there by Nissha.

4°: 92 p but only p 54-92 are numbered; pls included in pag + [2 blank] p; 51 col photos on glossy bound-in f;24 line drawings all on one p. Red-orange unfin cloth, gold lett in Engl & Chin on cover & spine. Pale orange endp. Colorless plastic dj. 27 x 21 cm(10 5/8 x 8 1/4 in). Cut. Pale gray cardbd slipcase, col photo of jade pasted on; b & w lett. JSL.

Cont: tp; prefs; pls list; pls section tp with col photo; pls; comment tp; comment in Chinese; line drawings; explan of same in Chinese; general remarks on jade in Engl; comment on pls in Engl; blank f & slip.

Excellent color photographs illustrating 50 objects carved from nephrite, jadeite, several from agate and "black crystal," with brief descriptions and dimensions in text. Summ G M Born, 1982, 247, who attributes the work to Na Chih-Liang; Yang 2062; *J Gemm*, 13, 8, 1973, 333-4.

4715. -----1973

[Chinese title] | Masterworks of Chinese Jade | in the National Palace Museum | Supplement | [Chinese publ data] | Published by the National Palace Museum | Taipei, Taiwan, Republic of China [1973]

4°: 86, [2 blank]p; pls includ in pag; only p 50-86 numbered; 51 col photos on bound-in glossy f; binding, etc, identical. JSL.

As before, splendid photographs of more objects from the collection. Summ by Born as before; Yang 2063.

4716. -----1974

[Chinese title] | Masterpieces of Chinese Snuff Bottles | in the National Palace Museum | [Chinese publ data] | Published by the National Palace Museum | Taipei, Taiwan, Republic of China [1974]

"The preparation of this book was under the expert supervision of Wu Fen-p'ei with the assistance of Lin Mei-hui. The text was translated into English by Alice R.Merrill." Pasted slip states that this work was copyrighted by Gakken of Japan in 1976 and printed there by Nissha.

4°: 89, [1 blank]p, but only p 50-89 numb & pls includ in pag; 56 col photos on 20 bound-in glossy f. Similar binding to above, with colorless plastic dj; in gray cardbd slipcase. 27 x 21 cm(10 5/8 x 8 1/4 in). Cut. JSL.

Cont: tp; Chinese pref, Engl pref; pls cont in both; pls sect; comment tp; comment & notes in both; blank p.

Beautifully illustrates and describes 50 examples with remarks, dimensions, etc. Materials: glass, metals, cloisonne, porcelain, jade, agate, amethyst, amber, coral, turquoise and nacre, but by far most are glass & porcelain.

4717. -----1974

[Chinese title] | Masterpieces of Chinese Ju-i Scepters | in the National Palace Museum | [Chinese publ date] | Published by the National Palace Museum | Taipei, Taiwan, Republic of China [1974]

"Mr.Yüan Te-hsing, is responsible for the compilation of this volume. The appended drawings... are also by Mr.Yüan, with the collaboration of Mr. Hsiao Tzu-chüan." Copyright slip as before.

4°: 107, [1 blank]p, with p 46-51 & 60-107 numb; pls includ in pag; 51 col photos on 18 bound-in glossy f; 59 fig. Same cloth, etc. 27 x 21 cm (10 5/8 x 8 1/4 in). Cut. JSL.

Cont: tp; prefs in Chinese & Engl; pls in both; pls sect; comment tp; comment in both; blank p.

Consistent in photographic quality to above, depicting and describing 50 specimens; materials include 15 in jade and other hard stones, also wood, metal, etc, some with jade inserts.

4718. -----1982 Illustrated catalogue of ancient jade artifacts in the National Palace Museum. Taibei: 1982, ca 400 pp, 367 col pls & illus; 30 x 22 cm, cloth. Not seen, from Han-Shan Tang, London, List 28, no 65, "excellent documentation of jades from Shang through Song periods in text and colour illustrations. Text in Chinese & Engl."

4719. -----1983 Catalogue of a special exhibition of Hindustan jade [in the Museum]. Taibei: 1983, 289 pp, 82 col pls, 45 b&w illus, 25 x 24 cm, paper. Not seen, from Han-Shan Tang, London, List 23, no 66: "an exemplary documentation of the

carving of jades for the Indian and Near Eastern market. Text in Chinese & Engl."

NATTER, LORENZ, or LAURENT(1705-1763)

The forename is sometimes augmented by "Johann" but for which no real authority exists; b Biberach, Swabia; jeweler in Biberach & Switzerland; learned gem engraving from Johann Rudolph Ochs of Bern; travels in Italy, in Venice took up exclusive profession of gem engraving, producing important works for prominent citizens of several Ital cities; resided in Engl for two periods; achieved considerable fame for skill & artistry in making medal dies. *Biogr Univ*, 75, 308-9; DNB(with much detail on his works).

4720. -----1754

A | Treatise | On The | Ancient Method | Of | Engraving | On Precious Stones, | Compared With The | Modern. | Illustrated With Copper Plates. | By | Laurentius Natter, | Engraver on Gems | [woodcut logo, of Mercury] | [rule] | London, | Printed for the Author, in Vine-Street, Piccadilly. | 1754.

Not seen; above information from xerox copy of tp; USGS Kunz Coll, GS 34-793 gives "xxxvi(i.e., xxxvii), 54, [2]p. front., xxxvi pls. 33 cm. Frontispiece is an engraved dedication. Error in paging; p.xxxvii numbered xxxvi."

4721. -----1754, in French

Traité | De La | Méthode Antique | De | Graver | En Pierres Fines, | Comparée | Avec La | Méthode Moderne, | Et Expliquée | En Diverses Planches | Par | Laurent Natter, | Graveur en Pierres fines. | [woodcut logo] | à Londres, | De l'Imprimerie de J.Haberkorn & Comp. | CIↃ IↃCC LIIII. | [rule] | Chez l'Auteur, dans Vine-Street, Piccadilly. [London, 1754]

2°: xxxix, [1 blank], 54, [2]p; a-k^2, A-O^2; engrav dedic pl by Hemerich insert ahead of tp; 37 engrav pls of gems, bound-in, with 7 unnumb & some signed by Fougeron; ch orns. 33.6 x 21.6 cm(13 3/8 x 8 1/2 in). JSL.

Cont: dedic pl; tp; pref; errata; text(with pls inserted); pls index.

This famous book, the only publication of importance by its author, is the first to attempt an explanation of the tools, accessories, materials, and methods employed in the carving of engraved gems. The lengthy preface treats many topics as the history of the art, Natter's opinions on certain gems of the ancients, their personal marks, contemporary artists and their gems, the materials used for gems, etc. The first four plates depict the tools of the engraver and the steps required to carve intaglios and are inserted in the text section dealing with this phase of work. The rest of the book shows examples of engraved gems on plates with descriptions in the text. Each description indicates owner, actual size(plate figures are greatly enlarged), and other data. While many hail this work as explaining the "secrets" of the art, the facts are that crucial details on how one goes about making the carving points and charging them with diamond, or how the latter is procured and processed, as well as other details necessary to insure success, are all glossed over, one suspects more for preservation of the real secrets of the art rather than inability of the author to explain them. Nevertheless, for one wanting to engrave gems, this book must have offered considerable help and certainly was far better than nothing. C W King, *Antique Gems and Rings*, 1, 1872, 435-6, provides a brief sketch of Natter's career and works, but with erroneous date & title, and cites this work as "excessively scarce." Further, p 466-7, he states that it is "valuable as giving the practical experience of one of the greatest of the modern practicioners of the art, and illustrated with 37 plates tolerably executed. Some of them, however, are particularly interesting, as they are given to illustrate the progressive steps by which this artist effected his most important copies of celebrated antiques." Furtwängler, *Die antiken Gemmen*, 3, 1900, 414, "contains fairly good drawings of 34 antique and 3 modern gems." Natter's ability to meticulously copy antique gems, and the often unscrupulous disposal of same as genuine, is touched upon in Billing's *The Science of Gems*, 1875, 82, where acid comments on such gems sold by the "arch-humbug dealer, Baron Stosch," enliven the text. Of the two editions, the English is far more difficult to obtain although both are truly rare. See also comments of the Zazoffs, *Gemmensammler*, 1983, 128-30.

4722. NATTERO, ROSALBA

Rosalba Nattero | Man And Gems | Misterious [sic] And Unknown | Aspects Of Gemmology | Edizioni C.D.S.C. [Torino, 1985]

Plastic tubular hinge: 40, [1], [1 blank]p; 9 ill. Thick, blue printed wrap, with front cover title & plain back cover. 29.7 x 21.2 cm(11 3/4 x 8 1/4 in). Cut.

Cont: tp; tab cont; introd; text; publ data; blank p.

First part entitled "The Hatmar, The Book Of Magic Stones," with "hatmar" defined as "the doctrinal basis of the shan experience," with the remainder of this part equally unintelligible. Apparently there are 22 stones involved which progress from the diamond to the emerald, with statements as to their special protective powers in the 2nd part, p 11-40, comprising short essays on the attributes of diamond, green jade, topaz, brown agate, green agate, sapphire, white agate, pink quartz, fumed quartz, aquamarine, ruby, pearl, amethyst, coral, amber, opal, lapis-lazuli, rhodonate, tiger's-eye, moonstone, turquoise, and emerald. This work was probably first published in Italian and then poorly translated into English.

NATURE NEIGHBORS, see BANTA, N M

4723. NAUCHNO-ISSLEDOVATELSKIY INSTITUT GEOLOGII ARKTIKI, LENINGRAD

Nauchno-Issledovatelskiy Institut | Geologii Arktiki | Ministerstva Geologii SSSR | [double rule] | Mineralogiya, | Geokhimiya I Prognozirovanie | Almaznykh Mestorozhdeniy | (sbornik statei) | Leningrad | 1974

Cementb: 100, [4]p; ill. Print wrap, cover title. 27.5 x 18.5 cm(10 3/4 x 7 1/4 in). Cut. USGS Library. Twelve articles on the mineralogy, geology and prognosis of diamondiferous deposits.

4724. NAVARRO, J M de Prehistoric routes between Northern Europe and Italy defined by the amber trade. *The Geographical J*, vol 66, 1925, 481-503, discussion 503-7, 3 text maps, 2 charts, scale 1:3,500,900, "Bronze Age amber finds" and "Early Iron Age amber finds in Central Europe." Not seen, from the detailed rev by K Andrée, *Bernstein-Forschungen*, 3, 1933, 214-5, which see. The careful study of amber artifacts found in Europe leads to definition of three trade routes from the Baltic to the Mediterranean. A work of seminal importance.

NAVE, E, see LONSDALE, K

4725. NEAVIN, JOHN

The Art Of Dyeing Gems | And | Gem Material | By | John Neavin | Drawings By | Muriel Neavin | Copyright 1968 | by John Neavin [publ by Neavin Products, Mariposa, Calif 95338]

Centerstapled: 32 p; ca 30 drawings. Pale green paper wrap, black lett & dec on cover. 21.7 x 14 cm(8 1/2 x 5 1/2 in). $1.50. JSL.

Step-by-step directions for dyeing gemstones with aniline dyes dissolved in wood (methanol) alcohol, with or without heat treatment, also coloring quartz tiger's-eye by heat treatment alone or after changing color by use of hydrochloric acid and then dyeing. Also discusses heat-cracking followed by dye impregnation; gives information on dyes, solvents, apparatus, etc. Stones treated successfully: aventurine, many quartz varieties, rhodochrosite, howlite, rhodonite, snowflake jade, turquoise, granite, quartzite, lapis lazuli.

4726. NEBEL, WILHELM BERNHARD(1699-1748)

Dissertatio de lapide nephretico novo. Resp Wilh Duckenberg. Heidelbergae 1733, 4°, ca 33 p. Not seen. On a stone, supposed to be nephrite, found at Herborn, Nassau, Germany, to which miraculous curative powers were ascribed. See comment H Fischer, *Nephrit und Jadeit*, 1880, 123; according to Ferguson, *Biblio Chemica*, 2, 133, this work was republished in *Commerc.litter.*, Nor.1734, Hebd.38, p.301-334; he also furnishes a short vita of the author.

4727. NEERGAARD, CARL Ravsmykkerne i stenaldern... Saertryk af *Aarbog for Nord. Oldk.og Hist.*, Kjøbenhavn, 1888, Thieles Bogtrykkeri, 1888, p 281-98. Not seen. Ornaments of Amber in the Stone Age.

4728. NEGRI, MARIO Il brillante. Milano, 1957, 39 p, ill. Not seen.

4729. NEGRONI CATACCHIO, N & GUERRESCHI, G

La problematica dell'ambra nella protoistoria italiana. *Sibrium*, 10, 1970, 175-292. Not seen.

4730. NEL, L T; FROMMURZE, H F; WILLEMSE, J & HAUGHTON, S H The geology of Ventersdorp and adjoining country. An explanation of Sheet No.53 (Ventersdorp), with a chapter on diamondiferous alluvials. Union of S Afr, Dept Mines, Geol Survey, Pretoria, 1935, 94 p, col geol map. Not seen. BM(NH) Cat.

NEU, R S, see HEINIGER, E A & J

NEUBERGER, A, see BOYER, J

NEUMANN, D L, see NORTHROP, S A, et al

4731. NEUES HAMBURGISCHES MAGAZIN Nachricht von den in Sachsen befindlichen durchsichtigen Edelgesteinen. 50.Stück, Leipzig, 1771, 99-120. Describes occurrences of gemstones in Saxony: rock crystal, iris agate, smoky quartz, topaz, beryl, almandine, ruby, sapphire, chrysolite.

4732. -----1771 Vom gegrabenen natürlichen Gläse, oder isländischen Achate. 53. Stück, 1771, 464-79. From Johann Gottlob Lehmann's XII Theil der *Novi Commentari Academiae Scientiarum Imperialis Petropolitanae*, pro A, 1766 & 1767, St Petersburg, 1768, 356-67, transl by J G Krünitz. Icelandic obsidian.

4733. NEUHAUS, A Über die Ionenfarben der Kristalle und Minerale am Beispiel der Chromfärbungen. *Zs Krist*, 113, 1960, 195-233. Not seen.

4734. NEUHAUS, A; FISCHER, WALTHER & SCHLEE, R Edelsteine, synthetische. Article in *Ullmann's Encyklopädie d techn Chemie*, 3. Auflage, Bd 6, 220-52, 1955. München-Berlin. Not seen.

4735. NEUHAUSER, WILHELM EON(fl 1621)

Coronae | Gemma Nobi- | Lissima. | In Drey Theil getheilt. | Das ist/ | Eine Natürliche/ aus wol vnd viel geübter | Erfahrung/aller fürnemsten Edlengesteinen Beschreibung. | Welcherley Naturen ein jeder Edelgestein/ aus der Physica, als Inne= | ren seiner Eigenschaffe vnd Wesen/ mit anderen Gewächssen/ bevor den Me= | tallen vnd Mineralien/ befreundet/ vnd ihnen einverleibt sey: So wol auch/ Wie Er | mit des Himmels/ der Sieben Planeten/ Zwölff Zeichen/ vnd anderer Sternen/ Influss/ seine Farb/ | Tugend vnd Wirckung/ durch wahre Ideam, oder anverleibte Gleichheit/ Oberer vnd | Baderer Naturen habe/ vnd bey dem Menschen vollbringt: Auch wie Er | auff Chymische weise zu der Arzney zu praepariren sey. | Dergleichen Beschreibung vnd Erkantnus vorher niemals an | Tag kommen. Itzund aber/ zu verstandigung aller Warheit/ | Durch | Wilhelm Eo Newhausern/ H.R. Authorn/ | an Tag gegeben. | [logo] | Gedruckt im Jahr 1621. [Frankfurt?)

4°: [4], 164 p;):(^{2}, A-V^4, X^2. Orn init, 2 small woodcuts reverse of titlef. 19 x 15.2 cm(7 1/2 x 6 in). Cropped. USGS Kunz Coll, GS 34-555.

Cont: tp; woodcuts & explan; tab cont; first part text to p 66; second part tp, tab cont, text tp p 152; third part tp, tab cont, text, with errata.

In this excessively rare work on the magical powers of gemstones, the first part treats origin of gemstones, general virtues, lore, celestial powers inherent in gems, colors, and compositions. The second part describes gemstones, from diamond onward, in 37 chapters, with emphasis on the magical or medicinal properties, and lastly, part three describes the preparation of medicines made with gemstone ingredients and how these are to be administered. The entire work is crudely composed, obscure in many places, and virtually all on magical or medicinal properties with little text on any sort of scientific material. Gatterer 2, 16.

NEUMANN, CASPAR or KASPAR(1648-1715)

Ger theologian; inspector, Breislau churches & schools in Silesia; many religious writings. *Allg Dt Biogr*, 23, 532-5.

4736. -----1709

Bigam Difficultatum | Physico-Sacrarum: | De Gemmis | Urim & Tummim | dictis, Exod. XXVIII, 30. | & De Cibo | Samariae obsessae | 2.Reg.VI,25. | Unà cum Responsionead Qvaestionem amici, num | Potus, Caffé dicti, | aliqva in Sacris dentur vestigia? | occasione loci, 2.Sam.XVII, 28. | pro nova Specimine Hypotheseos, de | Significatione Literarum Hebraeicarum Hieroglyphicâ | Cujus hic praemittiur Breviarum: | ad Illustrem | Dn. de Leibnitz, | Potentissimi Electoris

Brunsvicensis & Lunebur- | gensis Consiliarium Intimum, | scripsit | Caspar Neumann. | Editio altera | [rule] | Lipsiae, Impensis Joh.Herbordi Klosii, 1709.

4°: [7], 21 p; orn init. 18.8 x 15.5 cm(7 3/8 x 6 1/8 in). Cut. USGS Kunz Coll, GS 34-339. First edition not seen.

Speculates on the identities and significances of the shoulder pieces known as the Urim and Thummim of the High Priest's vestments, which are believed to be made in part from gemstones. However, even to this day these questions remain unanswered. Gatterer 2, 17.

4737. NEUMANN, HEINRICH & SVINNDAL, SVERRE

The cyprin-thulite deposit at Øvstebø, near Kleppan in Sauland, Telemark, Norway. *Norsk geol tidsskrift*, 34, 2-4, 1955, 139-56, 5 fig. Reprint: centerstapled, tan printed wrap, 22.2 x 15.3 cm(8 3/4 x 6 in). Cut. JSL. Geology & mineralogy of deposits yielding excellent ornamental materials, ie, blue massive vesuvianite or idocrase and bright pink zoisite; type locality for both. Properties given.

4738. NEVEROV, OLEG YAKOVLEVICH

O.Neverov | Antique Cameos | in | the Hermitage | Collection [Leningrad: "Avrora," 1971; Russ title faces recto]

8°: 94, [1], [1 blank]p + [64] glossy f(pls sect tp, 102 col & 95 b&w photos, blank f, publ data). Text paper pale greenish-tan. White cloth, circular col phot cut-out mounted on cover in gold rim; black title with Greek key surround; black title on spine with gold scallop. Yellow-tan endp. 17 x 13.2 cm(6 3/4 x 5 1/4 in). Cut. In glossy black slipcase, white lett & gold border & orns. JSL.

Cont: press note; Engl & Russ tps facing; quot; Russ pref; biblio(p 25-7, 20 entries); cat in Russ; quot in Engl; Engl pref; biblio in Engl (p 71-4, 20 entries); cat in Engl; blank p; pls tp; pls; blank f; publ data.

Describes & illustrates 107 selected engraved gems from the large collection of the Hermitage Museum in Leningrad. Prefatory remarks define the engraved gem, note origin & development, uses, types, cutting, etc., but most space is devoted to the history of the Hermitage Collection commencing with the first specimens acquired by Catherine II from Lorenz Natter in 1764, and its rapid enlargement as a result of her enthusiastic search for more examples. There are also general remarks on the cultural aspects of engraved gems while the catalog provides detailed descriptions of the specimens with notes on sizes, materials, motifs or portraits, provenances, and pertinent literature. The plates are surprisingly good and show the gems off very well, some still in their original mountings.

4739. -----1976

Antique Intaglios | In The Hermitage | Collection | Aurora Art Publishers. Leningrad [1976, with facing Russ title]

8°: 111, [1]p + 128 glossy f pls sect(145 gems in b&w & 5 in col). Black cloth, with col ill cover paste-on as above; gold title & gold frame on cover; similar frame back cover; gold spine title. Pale gray, flecked endp. Text paper pale green. White slipcase with b&w oval photo on front & double-rule gold framea both sides. 16.7 x 12.7 cm(6 1/2 x 5 in). Cut. JSL.

Cont: 1/2tp; Russ & Engl tps; publ data; quot; explan texts in both languages; abbrev list(p 41-7, 51 in Engl & Russ); cata; pls tp; pls; publ data.

Similar to his previous work on cameos in the Hermitage Collection, Leningrad, but now embracing only intaglio engraved gems.

4740. NEVILLE, RICHARD CORNWALLIS(1820-1861), *Lord Braybrooke*

Catalogue of Rings | In The Collection Of The Honourable Richard | Cornwallis Neville. [np, nd, priv printed, 1856]

Edgesewn: 28 p. 22.8 x 14.3 cm(9 x 5 5/8 in). Uncut.

Lists & describes 134 rings in his collection, many set with engraved gems. Neville also published for private circulation a small work entitled *The romance of the ring, or the history and antiquity of finger rings*, 1856, not seen. DNB.

4741. NEW MINE SAPPHIRE SYNDICATE

A | Royal | Gem | A Monograph On The | Sapphire, With A Brief | History And Description | Of The "New Mine" | Issued By | The New Mine Sapphire Syndicate | London | 1914 [title in blue & black]

4°: 44 p (first 2 p blank) + [4]p; front sketch map in blue & black; 8 cut-out & mounted pls(6 col); 18 photos. Grayish-blue paper wrap, raised gold lett on cover; similar endp. Text paper simulates hand-laid except for 2 gatherings in center which bear photos. 18.2 x 12 cm(7 1/4 x 4 3/4 in). Cut. Inits & text orns in blue. USGS Kunz Coll, GS 34-478.

Cont: blank f; 1/2tp; map; tp; publ data; text; ill; photos of award certificates; publ data.

Attractive brochure issued by the company to advertise its splendid blue gems cut from rough mined in Yogo Gulch, Montana. The frontispiece map shows the location of the mine in North America. The text begins with a discussion of sapphire in general, the "New Mine" in Montana, its location, history, mining & recovery methods, sizes of crystals, and notes on cutting and polishing. There are a series of color plates of jewelry set with the sapphires and two awards certificates. Two other color plates ahead of the text illustrate a rough crystal in matrix and several rows of cut gems in actual size. Photographs of the mine, its workings, etc, appear in the text. USGS 34-478, gives the author as Arthur Tremayne, and their entry is made accordingly. Very scarce.

4742. NEWBERRY, EDGAR & LUPTON, HARTLEY

Radio-activity and the coloration of minerals. By Edgar Newberry, D.Sc., and Hartley Lupton, B.Sc. (Communicated by J.Wilfrid Jackson, F.G.S.). *Manchester Literary and Philosophical Society Memoirs and Proceedings*, 62, 1917-1918, 1-15. Describes experimentation using beta and gamma radium rays: diamond, fluorite, quartzes, ruby, tourmaline, topaz, zircon, beryl and kunzite, among others.

NEWBERRY, PERCY EDWARD(1869-1949)

Brit archeol; b Islington, London; educ King's Coll; led explorations in Egypt under aegis Egypt Exploration Fund in 1890; independent explorations Egypt 1895-1901; prof egyptology Liverpool U 1906; MA in 1909; resigned 1919; archeol chair U Egypt, Cairo, 1929-33. DNB.

4743. -----1906

University Of Liverpool | Institute Of Archaeology | Egyptian Antiquities | Scarabs | An Introduction To The Study Of Egyptian | Seals And Signet Rings | With | Forty-Four Plates And One Hundred And Sixteen | Illustrations In The Text | By

| Percy E.Newberry | Author of "The Amherst Papyri," "The Life of Rekhmara," "Beni Hasan," | "El Bersheh," &c. | [logo] | London | Archibald Constable And Co Ltd | 16 James Street Haymarket | 1906

8°: xvi, 218 p; col front pl, tissue, tip-in and Pls II-XLIV, 1 per leaf, bound-in at end; line drawings in sepia + 1 blank f; 116 text figs. Dk blue-green cloth, bev edges, gold title & small gold oval design on spine. 25.2 x 15.3 cm(10 x 6 3/8 in). Teg, others untrimmed, LC 6-10481. JSL.

Cont: front; tp; print data; dedic; pref; tab cont; ill list; pls list; introd(6 chs); varieties of seals(5 chs); descriptions of specimens on pls; persons index; titles index; royal names index; pls; blank f.

One of the most sought for studies on scarabs. The lengthy introduction provides an interesting and detailed discussion of the origin, manufacture, uses, and symbolism of scarab seals with remarks on the art of gem engraving. The varieties of seals are examined and include comments on cylinders and button scarabs. The plates depict designs and objects with explanations of same in the last portion of text. A classic remarkable chiefly for its thorough explanation of the uses to which the seals were put.

4744. -----1907

The | Timins Collection | Of | Ancient Egyptian Scarabs | And Cylinder Seals, | With 21 Plates, | By | Percy E.Newberry, | Brunner Professor of Egyptology in the University of Liverpool. | [double rule] | London: | Archibald Constable & Co., Ltd. | [rule] | 1907. [title in red & black]

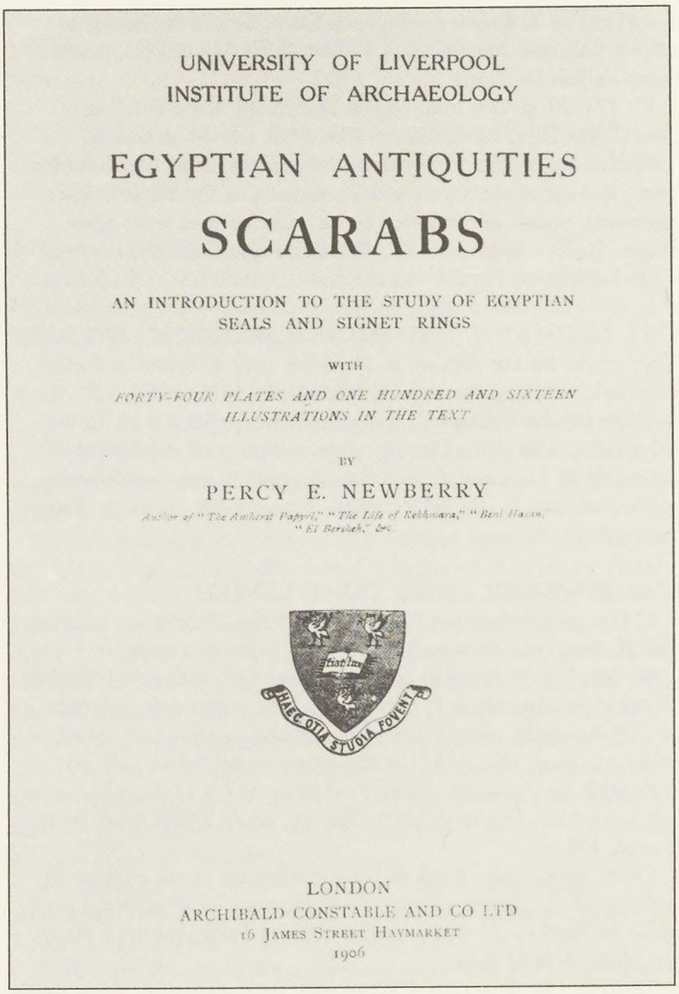
8°: 61, [1 blank]p + 21 bound-in pls on stiff, pale tan paper, printed in pale brown ink, one pl/f. Dk blue buckram, gold title on cover & spine; bev bds. 25.3 x 16.4 cm(100x 6 1/4 in). Teg, others untrimmed. Pale brown text paper, ribbed texture, like handlaid. JSL.

Cont: tp; introd; cat; pls.

Brief descriptions of several hundred pieces depicted diagrammatically on the plates(collection of Captain Timins, of Cairo). The introduction notes provenances, antiquities, motifs, etc. Rare.

4745. NEWBOLD, THOMAS JOHN(1807-1850) On the geology of Egypt. *The Quart J Geol Soc London*, 4, 1848; part first: Proc p 324-49, 6 fig, followed by "On the geological position of the silicified wood of the Egyptian and Libyan deserts, with a description of the "Petrified Forest" near Cairo," p 349-57, figs 7-9. JSL. The first article contains numerous comments on the lapidary-grade silicified wood, chert, jasper, alabaster, etc, with an elaboration on the petrified wood found in abundance ca 7 miles SE of Cairo; some trunks observed as much as 61 ft long. Disappointingly brief notes on the famous "Egyptian pebble," or the attractive dendritic and shaded chert nodules that have been cut into cabochons or flats. Agassiz IV, 14.

4746. NEWLAND, D H The quarry materials of New York - granite, gneiss, trap and marble. *NY State Mus Bull*, Albany, No 181, 1916, p 7-212, 34 photo pls(10 col), 18 fig includ 2 fold sketch maps). Also issued separately in tan print wrap. JSL. Brief history quarry industry in the state; useful rocks and features; sketch of state geology; descriptions of rocks including pegmatites, marbles, serpentinous marbles. Illustrations mainly of quarries & exposures, also some thin-sections & color pls of polished slabs, some of the materials quite attractive and suited for lapidary work. LC 16-27121.


UNIVERSITY OF LIVERPOOL
INSTITUTE OF ARCHAEOLOGY

EGYPTIAN ANTIQUITIES

SCARABS

AN INTRODUCTION TO THE STUDY OF EGYPTIAN SEALS AND SIGNET RINGS

WITH

FORTY-FOUR PLATES AND ONE HUNDRED AND SIXTEEN ILLUSTRATIONS IN THE TEXT

BY

PERCY E. NEWBERRY

Author of "The Amherst Papyri," "The Life of Rekhmara," "Beni Hasan," "El Bersheh," &c.

LONDON
ARCHIBALD CONSTABLE AND CO LTD
16 JAMES STREET HAYMARKET
1906

4743. Newberry's classic study remarkable chiefly for its thorough explanation of the uses to which scarabs were put

4747. NEWMAN, HAROLD

Harold Newman | An Illustrated | Dictionary of Jewelry | 2,530 entries, including definitions of | jewels, gemstones, materials, processes, | and styles, and entries on principal | designers and makers, from antiquity to the present day | 635 illustrations, 16 in colour | [logo] | Thames And Hudson [New York: 1981; London edit not seen]

8°: 334, [1], [1 blank]p; 685 ill(16 col photos on 8 glossy bound-in f); 37 line drawings. Green, clothlike paper over bds, large gilt logo on cover, gilt spine title. White dj, col photo on front, 9 b&w photos on back; flap resume, vita, price. 25.7 x 17.1 cm(9 7/8 x 6 3/4 in). LC 81-50797; ISBN 0-500-23309-8. $29.95. JSL.

Cont: 1/2tp; tp; publ data & dedic; pref; text tp; notes & col pl list; text; addenda; blank p.

About 1,000 entries pertain to gem materials of all types, styles of cutting, famous diamonds, and famous gems. The preface explains how entries were chosen and states that gem-

stones chosen are "important" when actually many are quite unimportant and others are rarities or collector stones. Some errors and misspellings but on the whole the material enjoys a high order of accuracy and is clearly written. Useful for those who do not own the standard gemological texts and glossaries. Rev *JCK*, Jul 1982, 250. There is no bibliography. Also in col paper, 25.2 x 17.1 cm(9 7/8 x 6 5/8 in), 1987, ISBN 0-500-27452-5; USA $18.95.

NEWTON, CHARLES MANFRED(1922-)

Precious stones merchant; b Dresden into Belgian family of jewelers; grad Royal Athéné Antwerp; to USA 1940; US Army Intell 1943-45; thereafter diamond merchant NYC.

4748. -----1980

A | Barrel | Of | Diamonds | By | Charles Manfred Newton | New York 1980 [priv publ]

F2: "This is copy number 220 [handwritten] of five hundred and ten copies of A Barrel Of Diamonds and it is here signed by the author Charles M.Newton [handwritten]"

8°: [12] (first 2 p blank), 87, [1 blank], [1], [3 blank]p; 17 col photos on 8 bound-in glossy f. V pale greenish cloth, white-flecked, unfin, with maroon title strip, gilt, pasted to spine. Glassine dj. 23.9 x 16 cm(9 3/8 x 6 1/4 in). Cut. LC 80-81202. $60.00. JSL.

Cont: blank f; limit edit note; 1/2tp; tp; publ data; dedic; tab cont; text tp; 6 chs; "advice;" print data; 3 blank p.

The author, speaking from long experience in the trade, writes about his early career, then provides some general remarks on the jewelry trade and diamonds, and many anecdotes in a fascinating potpourri that makes for light reading but at times with valuable insights and bits of information not generally available elsewhere. In addition to explaining how the diamond market works, from rough to finished gems, he also provides short sketches on many other gemstones as emerald, ruby, sapphire, pearl, etc, with some mineralogical data on each and some lore. He also provides brief historical sketches of 19 famous diamonds, all of which he claims to have viewed personally, namely, La Belle Hélène, Blue Diamond of the Crown(Tavernier Blue), Briolette of India, Cartier, Maximilian I, Vanderbilt, Dresden White, Eagle (of Wisconsin), and Krupp, these being some of the oddities among a number of better-known diamonds that have been described many times. Another valuable contribution is a series of brief biographies, with accomplishments, of 10 famous jewelers - Boucheron, Breguet, Bulgari, Cartier, Esmerian, Leonard Rosenthal, Tiffany, Van Cleef & Arpels, David Webb, and Harry Winston. Some of the color plates depict articles from their shops. Lastly, in his "Advice to Young Jewelers," he sets forth 9 pithy maxims to be followed to achieve success and a solid reputation. Rev INDIAQUA, no 28, 1981, 1, p 134.

NEWTON, RICHARD (1812-1887)

B Liverpool; to USA 1824; grad U Penn 1836; rector St Paul's Church, Phila 1840-62; prolific writer juvenile literature. *Allibone, Suppl*, 1, lists 25 titles by "one well acquainted with the peculiarities of juvenile auditors."

4749. -----1867?

Bible Jewels. | By The | Rev.Richard Newton, D.D., | Author Of "Rills From The Fountain Of Life," "The Safe Compass," | "The Great Pilot," "Bible Blessings," Etc. | [wood engrav vignette] | London: S.W.Partridge & Co., | 8 And 9 Paternoster Row.

8°: viii, 150, [1], [1 blank]p + 32 p cat publ bks. Dec col cloth, silver spine label with title; publ logo back cover. Front wood engrav + 22 wood engrav head & tailpcs. 18.6 x 12.5 cm(7 1/4 x 5 in). Cut. JSL.

Cont: 1/2tp; front; tp; pref; tab cont; 11 chs; print data; blank p; cat.

Allibone, ibid, states that this work was publ in USA in 1867; not seen. As with most books of this kind that attempt to draw moral lessons from gemstones, most text devotes itself to inspiration and admonition, but with altogether too brief descriptions of the gemstones themselves, which in this case are the Foundation Stones of the New Jerusalem. An attractive feature, however, is the series of very skilfully executed wood engravings which depict rough & cut gemstones and are inserted as headpieces or sometimes as tailpieces; the stones are pearl, diamond, ruby, amethyst(2 chs!), emerald, opal, sapphire, topaz, and agate.

NEW YORK. METROPOLITAN MUSEUM OF ART, see KING, C W, 1894

4750. NG, JOHN Y & ROOT, EDMOND

Jade | For You | Value Guide To Fine Jewelry Jade | By | John Y.Ng & Edmond Root | First Limited Edition | Jade N Gem Corp. of America [Los Angeles: 1984]

4°: 107, [1 blank]p; 13 watercolor sketches, 2 b&w photo portrs of the authors; 17 b&w photos; 63 b&w line drawings; 58 col photos. Green, clothlike paper over bds; gilt titles cover & spine. Col dj, with col photo; symbol & quotes back cover; green lett. 28.0 x 20.9 cm(11 x 8 1/4 in). Cut. LC 84-81875. JSL.

Pale-yellow, textured f tip-in ahead of front flyleaf: "Of the limited edition of Jade for You - Value Guide to Fine Jewelry Jade 300 copies have been specially bound. These books are signed by the authors and numbered 1-300. Copy Number_____" [below appear both signatures & equivalents in Chinese red-ink characters].

Cont: presentation f; flyleaf; 1/2tp; 2 doublep spreads of watercolors; blank p; tp; publ data; vitas & portrs; ackn; tab cont; list of charts & ill; introd; 10 chs; concl; biblio(p 100, 24 entries); blank p; photos of outdoor markets in Hong Kong; jade master col charts; blank p; price key diagram to col chart; blank p.

A remarkable and different book which aims to acquaint the reader with all of the factors that enter into the making of fine jade cabochons or carvings and how recognition of these factors can make one a connoisseur and presumably a shrewder buyer. Most attention is paid to jadeite inasmuch as the vividly-colored green types can be the most valuable but nephrite is also considered. There are preliminary remarks on the two jades, what they are, where mined, how marketed, and how they are cut into ornaments or gems. The heart of the book, however, is the discussion of quality features as indicated above, along with remarks on symbolism in Chinese jade carvings, and other background material. The color plates provide strips of jade hues classed as to their degree of desirability. Both authors are experts in jade and its marketing. Rev E A Jobbins, *J Gemm*, 19, 7, 1985, 641; *G & G*, 21, 4, 1985, 250-1.

4751. NICHOL, D Nephrite jade deposits near Cowell, Eyre Peninsula. *South Australia Mineral Resources Review*, No 141, 1977, 11-26. Not seen.

4752. NICHOLLS, R, et al The Wellcome gems. A Fitzwilliam Museum catalogue. Cambridge 1983. 56 p with numerous ill; wraps, 21 x 15 cms. Not seen, from a bookseller's catalog 10/86.

4753. NICHOLSON, GEORGE Fifty years in South Africa: Being some recollections and reflections of a veteran pioneer. London: W.W.Greener, 1898. ist edit. 8°, cloth, 4 pls, 7 advert p. Not seen, from Frank Hammond catalog of 1967, no 119, citing Mendelssohn, 2, p 101-2 " After a short sketch of Cape Colony, Orange Free State, and Transvaal in 1844, the author gives a description of the farm he owned... also an abusive chapter about the Diamond Fields, which contains a violent attack on David Arnot."

NICOLS, THOMAS(fl 1659)

Very little known save that he was the son of John Nicols, MD, a physician of Cambridge, Engl; stud Christ Coll, Cambr. DNB.

4754. -----1652

A | Lapidary: | Or, | The History | Of | Pretious Stones: | With cautions for the undeceiving of | all those that deal with | Pretious Stones. | [rule] | By Thomas Nicols, | sometimes of Jesus-Colledge in | Cambridge. | [rule] | Inest sua gratia parvis. | [rule] | Cambridge: | Printed by Thomas Buck, Printer to | The Universitie, 1652 | A. 2.

I have seen another(later?) issue whose last two lines give "| the Universitie of Cambridge. 1652 | A 2 " with "Cambridge" italicized.

4°: [2 blank], [10], 239, [1 blank]p; A-Ii^4(see note below on an extra f found in a copy & hitherto unrecorded). 19.1 x 14.2 cm(7 1/2 x 5 5/8 in). Cropped. LC 8-34640 gives width of 15 cm. JSL; DeGolyer, U Okla.

Cont: blank f; tp; blank p; dedic; pref; tab cont; to the reader; fold tab; text; blank p. Note: in a copy in the library of Mr Herbert Obodda, Short Hills, NJ, there is an extra leaf signed "T.N." which has been inserted after the "Admonition to the Reader," f B2 v. I have never seen any reference to this extra leaf which consists of a heading, text, and marginal notes on the right and running below the text with the initials set below their bottom. It reads:

"A friendly pleasure. | Askest thou how Nature doth form her births? | What's the mysterious off-spring of th' earths | Womb? Wouldst thou know how gemms have their glory? | What doth cause such beauty transitorie? | How little vessells are fram'd domicils | Of innate puritie, in secret cells | of th' earths yet undiscovered treasures? | I'l tell thee then: Do this, Let the * measures | Of thy originall i' th' dark caverns | of the wombe, by thee be searcht into by turns | So thou 'lt find Nature of spermatick masse | Forms the soul a habitacle so, as | That ev'ry power and faculty thereof | Hath its proper Organ beautifi'd of | Natures glorious store; and fitly fram'd | That instrument whereby its glory's fam'd | Beyond all the Term's of microcosme Man, | Beyond the bounds of earth, to heaven, wher's ran | The daily course of the glorious Sun, | Work of wonder, now finisht, now begun. | As thus of sperm Nature doth form the soul | A domicil wherein Prince-like controul | It may, as i' th' palace of its glory. | So what gives being to the History; | * Of seed, by Natures elaboration | Is form'd a palace on habitation | For th' innate purity of stones of worth | Whose native glory, them, not price sets forth."

[Asterisk one:] *Semen & | Spiritus est | mensura homi- | nis, totus enim | homo in semine | & spiritu con- | tinetur.

[Ast 2, lower right, extending to left under text;] *Of seed; I | say, because the | crystaline suc- | culency out of | which preti- | ous stones are | generated, is | as I may so say, the sperm or seed out of which nature forms these births, which she ha- | ving once formed, she doth afterwards give them growth by an new addition of Cry- | staline humour, which she doth assimilate into the nature of the substance of diapha- | nous stones; and of other purest humour, for the full growth of other transparent stones., [below:] T.N.

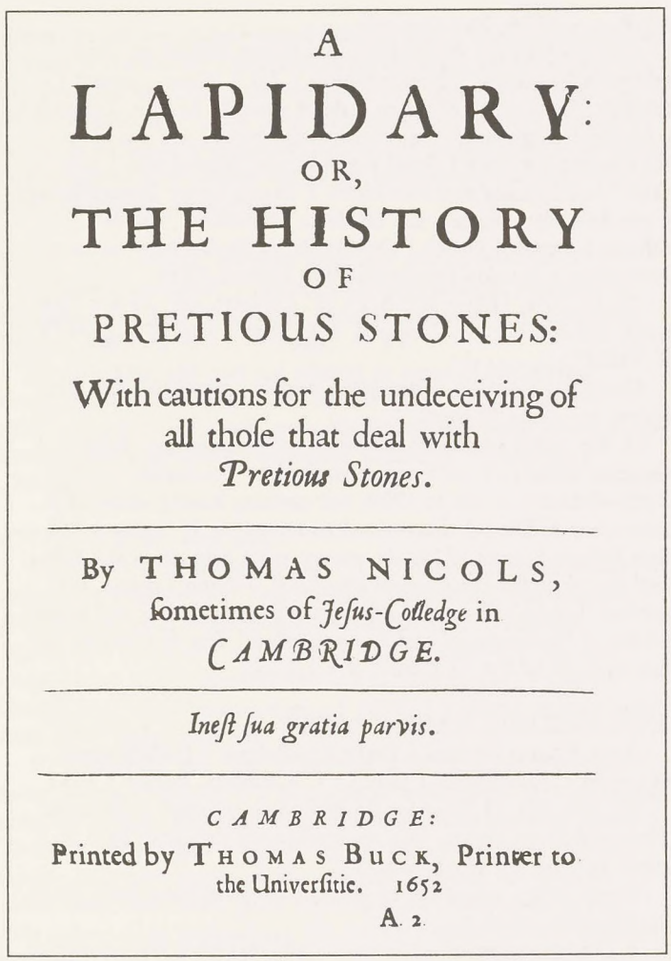
Regarding the text proper, this is the first independent gemological book written or published by an British author. The text is distinctly in two parts, the first being a general treatise on gemstones in 25 unnumbered chapters, while the second, entitled "Book of Particulars," contains 89 numbered chapters, each describing a gemstone, stone, fossil, or other substance then regarded as valuable and classed with precious stones. Where appropriate, each is provided with a note on the dye(s), foils, and bractea (reflecting plates of polished metal) used to enhance color and brilliancy. Here also Nicols gives adulterations, nomenclature, varieties, sources, properties(real & imaginary!), and other useful information.

The importance of this landmark gemology lies in several features among which is the attempt of the author to provide a scheme of classification which largely is taken from Boetius de Boodt, and as in his *Gemmarum*, printed upon a folding table. The author also acknowledges using other material from de Boodt. Nicols further considers such matters as the origin of gemstones, his interest in this being reflected in the poem given above, and noting that pearls are generated by the ingestion of "pearly drops of chrystall morning dew, drunk in by the shellfish called Scallops, and Cheripo: and indurated after the same manner that the Bezar is generated in the beast Bezar, or that stones are generated in the kidneys of man." This statement is based, in part, on Pliny. The chemical origin of gems is taken from writings of Hermes and Plato and is followed by a short chapter on the "place of the birth of Gemms in generall." Next he treats physical properties as transparency, color & causes of color, hardness, and specific gravity, with remarks on the adulteration and falsification of gemstones and the various methods by which they may be enhanced in beauty or brilliance by use of dyes and reflective foils. Here too are several recipes for the hardening of soft stones and for imparting or removing color. A short chapter sketches the process of engraving gems. Next appears considerable material on magical, mystical, and medicinal properties, some of which is scoffed at by Nicols, but at the same time admitting that gemstones may be imbued with supernatural powers we cannot identify, and if such are present, they must be due to the intervention of God. This first part of text concludes with a "division of gemms" or classification, according to the scheme of De Boodt and shown diagrammatically upon the folding table. The second, descriptive part begins with diamond, to which much space is given, then passes on to ruby, spinel, garnet, zircon, amethyst, pearl, sapphire, opal, emerald, quartzes, chrysolite, topaz, beryl, rock crystal, numerous chalcedony varieties, jade, malachite, lapis lazuli, turquoise, several

fossils, coral, amber, jet, bezoar, and others. Several rocks and massive ornamental materials are also described.

On the whole, Nicols' work is based so firmly upon Boetius de Boodt that one may be excused for characterizing it as an English translation and abridgment, modified with some material that has been brought in from other sources and perhaps stemming in part from the author's investigations. So little is known of Nicols that it is now impossible to say where he had acquired his expertise, or even if it was no more than his proven ability to read works in other languages, interpret them accurately, and synthesize findings into an independent work. A strikng feature of his book, perhaps gained from personal experience, is his familiarity with the methods of enhancement of gems in their jewelry settings, also falsifications and adulterations, all of his statements regarding these areas being fresh and authoritative and suggesting a recent experience with gems and the manufacture of jewelry. Much of this information remains pertinent.

One of the fascinating aspects of the work is its appearance in several titular versions without textual change, each title drastically different! Evidently too many copies had been struck off and the unsold surplus had to be disposed of in some way. According to the *British Museum(Nat Hist) Catalogue*, "the above appears to be the original title of the work as first issued: the surplus, of unsold, stock seems to have been acquired by a London bookseller, who issued it with a new title reading "Arcula Gemmea: or a Cabinet of Jewels, etc. "The remainder then passed into other hands, and was issued with another title-page: "Gemmarius Fidelius, etc." A copy of this last title-page was pasted over the original one in the example in the Museum." The titles of these later issues are give below. See also comments on the work as a whole in *Gentleman's Mag*, Dec 1842; *Bodleian Libr Cat*; Ferguson *Bibl Chemica* 2, 138; Partington *Hist Chemistry* 2, 103; Adams *Birth & Development Geol Sci* 163-4; Wing N-1145. The work was examined in considerable detail in articles in *Goldsmiths J*, London, Jan 1929 to Sept 1929.



A
LAPIDARY:
OR,
THE HISTORY
OF
PRETIOUS STONES:
With cautions for the undeceiving of all thoſe that deal with *Pretious Stones.*

By THOMAS NICOLS,
ſometimes of *Jeſus-Colledge* in
CAMBRIDGE.

Ineſt ſua gratia parvis.

CAMBRIDGE:
Printed by THOMAS BUCK, Printer to the Univerſitie. 1652
A 2

4754. Nicols' "Lapidary" is the first independent gemological book written or published by a British author

4755. ------1653, reissue

Arcula Gemmea: | Or, | A Cabinet | Of | Jewels. | Discovering | The Nature, Vertue, | Value of Pretious Stones, with infallible | Rules to escape the deceit of all such as | are Adulterate and Counterfeit. | [rule] | By Thomas Nicols. | Cambridge. | [rule] | Iuest sua gratia parvis. | [rule] | London | Printed for Nath: Brooke, at the Angel in Cornhill. | [rule] | MDCLIII.

4°: [2 blank], [8], 239, [1 blank]p; A-Ii4. 18 x 13.5 cm(7 1/8 x 5 1/4 in). Cropped. Blank prelim leaf; title f cancel; fold tab bound-in at p 1. LC 8-34639, this copy measuring 18 1/2 cm; Ward & Carozzi, 1656.

4756. -----1659, reissue

Gemmarius Fidelius, | Or The | Faithful Lapidary, | Experimentally describing the | richest Treasures of Nature | In An | Historical Narration | Of the several Natures, Vertues and | Qualities of all | Pretiovs Stones. | With an Accurate discovery of such as are | Adulterate and Counterfeit. | [rule] | By T.N. of J.C. in Cambridge. | [rule] | Non hic Nugarum, steriles metunter Abenae: | Hic, hic, Gemmarum, Messis faecunda Superbit. | [rule] | London, | Printed for Henry Marsh, at the Princes Armes, at the | lower end of Chancery-lane, neer the Inner Temple-gate | in Fleet-street 1659.

Original title leaf canceled but stub remains, bound-in; new title leaf also bound-in, the stub appearing betw A3 & [A4]; includes blank f [A1]; otherwise identical. The copy in the Mineralogical Library, BM(NH), has the above title leaf pasted over original title f of 1652. USGS Kunz Coll, GS 34-340; JSL.

4757. -----1675, first Ger edit

Edelgestein=Büchhlein/ | Oder | Beschreibung | der Edelgesteine. | Derer Gestalt/ Kräffte und | Tugenden/ Eigenschafften/ Preiss | und Werth. | Samt | Beygefügten Warnungen für Be= | trug an alle diejenigen/ so mit Edel= | Gesteinen handeln und umbgehen. | Durch | Thomas Nicols | Professoren der Hohen=Schule | zu Cambridge in Engeland. | Allen Jubilirern/ Goldschmieden | und Liebhabern der Edelsgesteine zu sonder= | bahren Gefallen auff begehren auss dem En= | glischen in Teutsch übersetzt und | herausgegeben. | Von | Johann Langen | [rule] | Hamburg/ | In Verlegung Johann Naumans und | George Wolffs/ Buchh. 1675.

8°: [16], 249. [7]p;)(8, A-Q^8; ch orns, init. 16 x 9.4 cm(6 1/4 x 3 3/4 in). Cropped. USGS Kunz Coll, GS 33-346; JSL.

Cont: tp; blank p; dedic; pref; caution; tab cont; text; tab cont to 2nd div. No fold tab.

4758. -----1734, 2nd Ger edit

Thomas Nicols | Professoren der hohen Schule zu Cambridge in Engeland, | Beschreibung | der | Steine | sowol | Edel als Gemeine | Darinnen | derer Gestalt, Kräffte, Tugenden, | Medicin/ Eigenschafften, Preiss und Werth | auf das Deutlichste gezeiget wird | Samt beygesetzten Warnungen | sich für derer Verfälschung wohl zu hüten | wegen seiner Fürtrefflichkeit | aus dem Engelischen ins Teutsche übersetzet | durch | Johann Langen. | [rule] | Culmbach, zu finden bey Nathanael Lumscher, | druckts Friederich Elias Dietzel, 1734.

8°: 16, 274, [14]p;)(^{8}, A-T^8, X^8. Ch orns, init. 16.5 x 10.6 cm(6 1/2 x 4 1/8 in). Cropped. JSL. First 2 f of "T" signed "TU" & TU2."

Cont: tp; blank p; dedic; pref; caution; pref this edit; text; index; colophon & logo.

In the above preface it is noted that a reprinting of the first German edition of 1675 was promised by Friederich Roth=Scholtz as late as 1729, but nothing having come of it, Lumscher & Dietzel determined to reprint it. It is also noted that little is known of Nicols, except what appears in the title, and the same for the original translator, Johann Langen, here spelled "Lange." The value of the work is reaffirmed and praises Nicols as "industrious" and "keen-minded." The H Obodda libr has copy of 17.7 x 11.3 cm(7 x 4 1/2 in).

4759. NIELSEN, AAGE KRARUP

Aage Krarup Nielsen | Perler Og Palmer | [sailing vessel vignette] | København | [rule] | C.A.Reitzels Forlag | 1931

8°: 205, [2], [1 blank]p; 84 ill(photos, 1 map). Stiff white wrap, col ill on covers; title on front cover & spine. 24 x 16.8 cm(9 1/2 x 6 1/2 in). Uncut. JSL.

Cont: 1/2tp; other bks of author; tp; publ data; text; photo ill; tab cont; blank p.

A Danish writer of adventure books describes wanderings & discoveries in Dutch East Indies and around the edges of the Banda Sea with special attention to pearl-fisheries, especially those centered on Dobo Island of the Aroe Islands group. Ca one-third of text on pearl-shell fishing with many fine illustrations. First chapter describes early exploration & settlement of the region by Europeans and is illustrated with quaint woodcuts and engravings taken from old travel accounts.

4760. NIELSEN, IVER Smykkesteiner og perler: kjennmerker og bedømmelse av Iver Nielse. Utgitt På Eget Forlag, Oslo, 1947. 8°: 42, [2 blank p;, 14 fig, very pale blue paper over bds, dec, red cloth spine. Small general introduction to gemstones that first appeared serially in the Norwegian journal *Gullsmedkunst* for 1927(not seen). It was extracted and issued separately, and upon exhaustion of the issue, the present work was placed in print. Treats properties of gemstones, lapidary treatment, diamond quality standards, descriptions, synthetics, pearl weight calculation, and tables of properties, famous diamonds, birthstones, and pearls. A second edition issued but I have not been able to learn more.

4761. -----1964, 3rd edit

Smykkesteiner | Og Perler | Kjennemerker Og Bedømmelse | Av | Iver Nielsen | Gullsmedfagets Rasjonaliseringsselskap | [rule] | Oslo 1964

In my copy: "Universitetsforlaget" rubber-stamped above publ name.

4°: 46, [2 blank]p; 6 numb fig + 10 unnumb fig; 13 tab, Col glossy paper over bds, white back cover, pale green cloth spine. Front cover col pl of gemstones taken from Max Hahn's *Edelsteenkunde*, 1966, which see. Pale tan endp. 18.5 x 13.7 cm(7 1/4 x 5 3/8 in). Cut. JSL.

Cont: tp; publ data; fwd; tab cont; introd; text; blank f.

4762. NIES, A & GOLDSCHMIDT, V Ueber Korund. *N Jb Min*, 1908, 2, 97-113, pls 9 & 10. Also sep in gray, printed wrap. JSL. Crystallography & forms of sapphire crystals from Ceylon, two of which are twinned; also a twin sapphire crystal from Kashmir. The pls are part-col.

4763. NIMLIN, JOCK

Let's look at | Scottish Gemstones | by Jock Nimlin [Norwich: Jarrold & Sons Ltd, nd, ca 1974]

Front cover reads "A Jarrold Colour Publication in association with the National Trust for Scotland," while the title given above appears on inside front cover.

Centerstapled: [30]p, includ both inside covers; 26 col photos; 3 b&w photos. Stiff, glossy white wrap, col photos & title on both covers; text carried to inside covers. 18.9 x 12.9 cm(7 1/2 x 5 1/8 in). Cut. JSL.

Cont: tp; text; rules of field trip behavior.

Handsomely illustrated, extolling the virtues of native gemstones, principally the various varieties of chalcedonic quartz and also rock crystal, smoky quartz, and amethyst, and an attractive kind of serpentine. Hints are given as to where to go. There is a brief history of the formation of these gemstones, then a history of gemstone collecting in Scotland, how to recognize quartz varieties, suggested prospecting areas, and explanation of lapidary and jewelry work.

NISHIKAWA, TOKICHI(1875-)

Grad zool U Tokyo 1897; to Bur Fisheries in same yr, remaining to 1905 at which time he resigned to devote time to research on pearls & culture; in 1907 applied for patent on pearl culture which was submitted after a similar patent application was made by Tatsuhei Mise, and according to Cahn, *Pearl Culture in Japan*, Append A, 1949(which see), won the patent due to the incompetence of the patent judge; nevertheless Nishikawa is generally acknowledged to be the inventor of the implantation process by which the culture of pearls in Japan was made practicable.

4764. -----1914

[Shin | ju | 1914 | Tokyo]

The titlep is a tip-in photo plate, with characters for "shin" and "ju"(pearls) arranged vertically and formed of rows of pearls over a pearl oyster shell interior with characters for date & place below; tissue protective sheet. Publisher is Sankyo of Tokyo. Title followed by a tissued photo plate, tip-in, of author with Japanese signature.

8°: titleleaf + 4, 135 p; 10 other tip-in pls, one with tissue bearing lett & two others bearing line drawings. Dk blue cloth, gold lett, gold oyster in line-drawing on cover; gold spine lett. 22 x 15 cm(8 5/8 x 5 7/8 in). Cut. JSL.

Entirely in Japanese save for names of mollusks and places outside Japan. As customary, order of pagination reversed. Publ posthumously. The text deals with pearls in Japan, China, India, and Near East, also pearls in Europe, the Americas, origin of pearls, numbers of pearls in one shell, properties and features of

pearls, yields, artificial pearls, nacre, and miscellaneous information, including a general description of the Japanese method of pearl culture. Table of genus names with Japanese equivalents p 8-9.

4765. NITSCHE, HINRICH See- und Süsswasser-Perlen. *Internationale Fischerei- Ausstellung zu Berlin*, 1880, p 83-95, Berlin 1881. Not seen, from Kunz & Stevenson, *Book of the Pearl*, biblio.

4766. -----1882 Die süsswasser Perlen auf der Internationalen Fischerei- Ausstellung in Berlin, 1880. *Nachrichtensblatt der Deutschen Malakozoologischen Ges*, Frankfurt am Main, 1882, 49-64. Not seen, from Kunz & Stevenson, ibid.

NITSCHE, H, see FRIEDLANDER, S

4767. NIXON, P H, edit Lesotho kimberlites.[Maseru]: Lesotho National Development Corp, 1973, xii, 350 p, ill in b&w and col. Rev M.J.O'Donoghue, *J Gemm*, 19, 4, 1984, 378-9. The work describes geology, pipe deposits, mineralogy, diamonds, and with biblio & maps. Rev INDIAQUA, no 28, 1981, 1, p 133.

4768. NOBLE, J Among the diamonds. *Cape Monthly Mag*, Cape Town, 2, 2, 1871, 112-27. Not seen.

NOBLE, JOHN(1814-), edit

Clerk in House of Assembly, Cape of Good Hope Colony; Fellow Geogr Soc; numerous tracts on econ & trade problems; Allibone, *Suppl*, 2.

4769. -----1886

Official Handbook | [colony coat-of-arms] | History, Productions, And Resources | Of The | Cape Of Good Hope. | Edited By | John Noble, | Clerk Of The House Of Assembly; | Author of "South Africa, Past and Present, &c." | [orn rule] | Cape Town: | Printed For The Colonial And Indian Exhibition Committee, | By W.A.Richards & Sons, Government Printers. | [rule] | 1886.

8°: [1], [1 blank], viii, 328, [24 advert]p; fold, tip-in col litho front pl + 18 col or tinted litho pls(2 fold, 2 tissued, 2 fold tinted pls, 2 maps(1 fold) + 3 maps(1 fold), 2 cross-sects, 2 fold tabs(at end), 1 text wood engrav. All pls tip-in. Pale blue paper over bds, dk green leather spine & corners; coat-of-arms & title in col on cover; advert back cover; blind title on spine. Pale gray endp with advert. 21.3 x 13.8 cm(8 3/8 x 5 1/2). Cut. Ae red-spattered. JSL.LC 4-5822.

Cont: publ data inside front flyleaf + fold pl; publ data; blank p; tp; publ data; tab cont; ill list; chs index; pref; fold map of Cape; 17 chs; fold tabs; advert.

Elaborately produced and illustrated description of the colony and guide to its features, natural and man-made, with chapters on early history, geography, mode of government, communications, public works, natural resources, industries, etc, supported with statistics. Special interest: Ch 10, 177-219, "Diamond mining at the Cape," by Theodore Reunert, giving a careful though brief history of the discovery of diamonds and subsequent developments in the industry, with statistics, and remarks on the largest diamonds so far found. Excellent article in all respects, forming the basis for an independent work published by him in 1892 and entitled *Reunert's Diamond Mines of South Africa*, which see. A fold tinted litho pl facing article title depicts a scene in Kimberley Diamond Mine, showing wire hoisting of ore from the bottom of the opencut; two other pls in same ch show cross-sects of pipes. The basic handbook is now seldom found in satisfactory condition due to the fact that sections were fastened with steel staples which are usually very badly rusted or even completely oxidized.

4770. -----1886(?), another edit, but not so identified

Official Handbook. | [arms] |...| Cape Town: | Printed & Published For The Colonial & Indian Exhibition | Committee, By Saul Solomon & Co. | 1886.

8°: [8], 330, [34 part col advert] p; same ill but several inserted in different place; red leather spine, corner leathers omitted. Inside front endp now blank; entirely reset. Some slight changes and additions of materials. Reunert's ch now on p 178-221. JSL.

4771. -----1893, new edit

Illustrated Official Handbook | Of | The Cape And South Africa | A Resume of | The History, Conditions, Populations, | Productions, And Resources | Of The Several | Colonies, States, and Territories. | Edited By | John Noble. | "Semper aliquid novi Africa affert."-Pliny. | J.C. Juta & Co., | Cape Town. [vert rule] Johannesburg. | 1893. | Entered at Stationers' Hall.] [All rights reserved.

8°: ix(advert), xvi, 568, 43[advert, with [2]p index of advertisers inserted between p 2-3; inside of front cover & back flyleaf counted in pag]. Col litho map of South Africa tip-in as front; 22 tip-in photo pls(1 fold); 82 fig; pl map & pl cross-section tip-ins. Pale pink-brown cloth, orn title in frame on cover in black; black title, rules, publ logo on spine; back cover advert. Pale yellow endp with advert. 21.2 x 13.9 cm(8 3/8 x 5 1/2 in). Cut. JSL.

Cont: advert & fold map; tp; publ data& logo; pref; tab cont; 2 ill lists; ch index; fold photo pl; 32 chs; statistics; advert.

Entirely revised, enlarged; Reunert's ch now on 323-56, also completely rewritten, brought up to date, with inclusion more political & financial data. Five of the col pls appear here, along with pipe cross-section and 2 text fig. The pls show views of diamond mines or diamondiferous areas, with several showing early mining at Kimberley. This edition is better-bound.

NOEGGERATH, J , see GLOCKER, E F, 1829, also HAIDINGER, W K , 1847-51; NÖGGERATH, J

NOETLING, FRIEDRICH WILHELM("Fritz") (1857-1932)

Ger Geol; PhD U Berlin 1880; apptd paleont/Geologist Geol Survey India 1887-. Pogg 4, 1081.

4772.-----1893 Note on the occurrence of jadeite in Upper Burma. *Rec Geol Survey India*, 26, pt 1, 1893, 26-30, Pl I(col fold geol map); also issued in printed sepia wrap. JSL. First competent report on jadeite deposits in Upper Burma. Gives an interesting historical survey of what was written before about these deposits, then location, geol sketch of area, immediate associates in the jadeite formations, method of extraction of rock, values of the jades, future prospects. Hand-col sketch map shows formations approximately delineated from north of

Bhamo along valley of Irrawaddy River and along Mogaung River to Mogaung, Tawmaw and beyond,

4773. -----1896 Ueber das Vorkommen von Jadeit in Ober-Birma. *N Jb Min*, 1, 1896, 1-17, Pl I; also separate. JSL. Essentially the same as above but "significantly enlarged and revised," with the hand-col geol map now encompassing a considerably larger area.

4774. -----1893 On the occurrence of burmite, a new fossil resin from Upper Burma. *Rec Geol Survey India*, 26, pt 1, 1893, 31-40. JSL. Visited the locality and investigated specimens, finding a lack of succinic acid and therefore justifying calling the resin *burmite*. Preliminary remarks on the accounts of two previous European visitors, his own journey, geological studies, the properties of burmite, mode of mining, future production prospects, the native amber industry, occurrence of amber elsewhere in Burma. Essentially the same information was later published by him in "Das Vorkommen von Birmit (indischer Bernstein) und dessen Verarbeitung," *Globus*, 69, Nr 14 & 15, 1896, 217-22.

NÖGGERATH, GUSTAV ADOLPH(1788-1877)

Ger geologist; b Bonn; PhD U Bonn; mines commissioner in several Rhineland provinces; prof mineral Bonn, later prof geol & dir mus of nat hist. Obit H v Dechen, *Verhandl naturhist Verein Preuss Rheinlande u Westphalens*, Bonn, Jg 34, 1877, Corresp Bl p 79-97; *Leopoldina*, Dresden, H 13, 1877, 147-54. Pogg 2, 292-4.

4775. -----1847 Die Kunst, Onyxe, Carneole, Chalcedone und andere verwandte Steinarten zu färben, zur Erläuterung einer Stelle des Plinius Secundus. *Bonner Jahresber, Jahrbücher d Vereins v Altertumsfreunden im Rheinlande*, H 10, Bonn, 1847, 82-103; also separate, 22 p, 20.5 x 13.1 cm(8 x 5 1/8 in). Cut. Also in *Arch Bergbau u Hüttenwesen*, Bd 22, 1848, 262-97. JSL. Scholarly investigation aimed at clarifying passages in Book 37, Pliny's *Natural History*, which refer to coloring gemstones; at the same time, much valuable information is imparted on the chemicals and techniques used during the author's time to dye chalcedonies in Idar-Oberstein, Germany. Topics discussed: nomenclature problems in Pliny, falsifications, imitations, artificially colored gemstones, use of honey to "clarify" stones and later to turn them black, other authors who have commented on the problem and what they had to say on the same Plinian passages, a lengthy discussion of the meaning of "cochlides," and details on the methods used by German lapidaries to dye chalcedonies so far as could be learned by Nöggerath.

4776. -----1849

Über Die | Achat-Mandeln | In Den | Melaphyren. | [rule] | Sendschreiben | An Den K.K.Wirklichen Bergrath Und Professor | Herrn Wilhelm Haidinger | In Wien. | Von | Jacob Noeggerath, |...[2 lines, rule]...| Aus Den Naturwissenschaftlichen Abhandlungen | gesammelt und durch Subscription herausgegeben von W.Haidinger. | III.Band. I.Abth. S.93. | [rule] | Wien, 1849. | Bei Wilhelm Braumüller, | k.k.Hofbuchhandler. [offprint title]

4°: titleleaf + 12 p; fold litho pl showing cross-sects of 13 nodules of agate(Tab XII). 26.7 x 21.4 cm(10 1/2 x 8 1/2 in). Cut. JSL

In this letter to W K von Haidinger(1795-1871) the author gives his views on formation of agate in nodules (gas cavities) in melaphyres, based on a collection of hundreds of specimens, many of which were collected personally, from the Nahe-Birkenfeld region, St Wendel region in Prussia, and elsewhere. He discredits the infusion hypothesis and points out that experience in agate-dyeing shows that certain bands are impenetrable by aqueous solutions and hence would prevent similar penetration in nodules. Instead, he favors the view that all nodules have entrance canals through which the chalcedony-bearing solution passes into the cavity. See also additional comments under HAIDINGER, 1847-51; consult further W J HAMILTON, who discusses occurrences and treatments of these agates.

4777. -----1876

Die | Achat-Industrie | im Oldenburgischen Fürstenthum Birkenfeld. | [wavy rule] | Von | Gustav Adolph Nöggerath. | [rule] | Berlin SW. 1876 | Verlag von Carl Habel. | (C.G.Lüderitz'sche Verlagsbuchhandlung.) | 33. Wilhelm=Strasse 33.

8°: 31, [1 blank]p, includ title. No wrap. 20 x 13.8 cm(7 7/8 x 5 1/2 in). Cut. USGS Kunz Coll, GS 33-267(gives 21 cm). JSL.

Detailed description/history of the agate-fabrication industry of Idar-Oberstein, Germany since its origin in the 15th century. Topics: regional & local histories, recent production statistics, and with most space devoted to the industry itself and its several branches, products, etc. P 30-1, 7 ref, with note by author's father, Johann Jakob, stating that the work was published by him after his son's death. Pagination in parentheses suggests serial publication elsewhere but I have not been able to confirm.

4778. NOGUÈS, A F

Bibliothèque Des Professions Industrielles Et Agricoles | Série B, N° 14 | [rule] | Guide Pratique | De | Minéralogie Appliquée | (Histoire Naturelle Inorganique) | Ou | Connaissance des combustibles minéraux, des pierres | précieuses, des matériaux de construction, des argiles | céramiques, des minéraux manufacturiers et | des labratoires, des minerais de fer, | de cuivre, de zinc, de plomb, d'étain, | de mercure, d'argent, d'antimoine | d'or de platine etc., | Par | A.-F.Noguès, | Professeur de Sciences physiques et naturelles. | [rule] | Première [-Deuxième] Partie | Avec 124 Figures Dans Le Texte | [rule] | Paris | Librairie Scientifique, Industrielle Et Agricole | Eugène Lacroix, Éditeur | Libraire De La Société Des Ingénieurs Civils | Quai Malaquais. | [rule] | Tous droits de traduction et reproduction réservés. [nd, post 1866]

12°, gatherings in alternate 12's & 6's: XV 395, [1]p + 36 p advert sect; 124 wood engrav(mostly crystal drawings, white lines on black backgrounds). Dk green cloth, ornately embossed blind frames both covers and ornate oval frames enclosing gold title front cover only; similar orn & lett spine. Bright yellow endp. 18.3 x 11.4 cm(7 1/4 x 4 1/2 in). Te unopened. JSL.

Cont: 1/2 tp; publ data; tp; dedic; pref; 2 "books"(6 + 3 chs); tab cont; errata; advert.

Vol 2: title identical except that the author's qualifications, immediately below his name in two lines, read: "Professeur de Sciences physiques et naturelles à l'École Saint-Thomas-d'Aquin | et à l'École centrale lyonnais." [3], 523 p, 124 wood engravs(total of 248 for both vols). Cont: 1/2tp; publ data; tp; text for Ch 3 resumes + Chs 4-7; erratum; index to both vols; blank p.

Economic mineralogy covering entire range of mineral products and including fossil fuels but omitting building stones as

such. The arrangement is chemical, with four subdivisions according to the presence of cations or anions, and with a fifth subdivision for organic materials. Despite early inclusion in the title, very little is said about gemstones as a group except brief mentions when the appropriate species is being discussed. However, some elaboration in the case of diamond is given, p 252-74, and of quartz, 344-58, in volume 1. A general treatise on mineralogy occupies p 1-217 of this volume, and the very large number of minerals considered in both volumes insures that only brief treatment can be given each.

4779. NOGUES, M Pierres précieuses et gemmes. Paris, 1868, 30 p, ill; includes a plate showing Coster's lapidary shop at the 1868 Paris Exposition. Not seen.

4780. NORDENSKIÖLD, N Über Lazurstein und die mit demselben vorkommenden Mineralien. *Bull Soc Nat Moscou*, 30, 1957, 213-26.

4781 NORDSTERN, ARTHUR VON [*pseud* of NOSTITZ UND JÄNCKENDORF, GOTTLOB ADOLF ERNST VON, 1765-1836]

Gemmen. | [rule] | Gedeutet | von | Arthur von Nordstern. | [rule] | Leipzig, | F.A.Brockhaus. | 1818.

4°: [8], [32]p; 16 engrav pls, each tissued & tip-in. Tan paper over bds, pale green title label on cover in frame. 24.4 x 15 cm(9 5/8 x 5 7/8 in)" Cut. LC 18-7891. JSL.

Cont: 1/2tp; publ data; tp; fwd; tab cont; pls & text,

An appreciation of 16 engraved gems, each depicted upon own plate and engraved after specimens previously illustrated in other works on engraved gems as indicated in the table of contents. Poems form the foreword and the text. Rare and seldom noticed.

4782. NORTH, F J

Limestones | Their Origins, Distribution, And Uses | By | F.J.North, | D.Sc. (London), F.G.S. | Keeper of the Department of Geology in the | National Museum of Wales | Foreword | By | Sir Henry P.Maybury, | G.B.E., K.C.M.G., C.B., M.Inst.C.E. | President, Institute of Quarrying, sometime Director-General | of Roads, Ministry of Transport | London: Thomas Murby & Co., 1, Fleet Lane, E.C.4 | New York: D.Van Nostrand Co., 250, Fourth Avenue | 1930

8°: xxiii, [1 blank], 467, [1 blank], [8 advert]p; front photo + 236 fig. Dk blue, ribbed cloth, blind rules front cover; gold rules & lett spine. 21.2 x 13.9 cm(8 3/8 x 5 1/2 in). Cut. 16s net. JSL. GS 31-3.

Cont: 1/2tp; front; tp; dedic; publ data; fwd; pref; tab cont; ill list; text in 3 pts(18 chs); 5 appends; index; blank p; advert.

Very thorough, comprehensive monograph, so far as I can tell, the first of importance to be written on the subject. The several parts consider the nature, origin and varieties of limestones in the British Isles, and also limestone related to or influencing the development of scenery, agriculture, water supply, and industries. The appendices provide a classification of the animal kingdom, analyses, production figures, physical properties, and a miscellany of information. References at end of each chapter. The study of this work will give the reader a good idea of the geology of the isles inasmuch as limestones are so widespread, along with other information on stratigraphy, paleontology, metamorphism, etc. Ch 15, 363-84, specifically addresses itself to the limestones used in buildings and for decoration although such varieties are described elsewhere in the text.

4783. -----1878 Kimberley diamond mine, South Africa. *South Staffordshire-East Worcestershire Inst Min Eng Trans*, Dudley, 4, 1878, 101-34. Not seen; from Southey 129, who gives "24" pages.

NORTH, F W, see FINLASON, J B

4784. NORTH BRITISH REVIEW, THE The diamond - its history, properties and origin. Art.VI. Nov 1852-Feb 1853, vol 18, 186-234, Edinburgh: W.P.Kennedy, London: Hamilton Adams, And Co., Dublin: James M'Glashan, 1953. Comprehensive survey of diamond: nature, properties, occurrences, trade, tests, cutting, some famous diamonds, etc. Biblio 186-7, 16 entries.

NORTHROP, STUART ALVORD (1904-)

Econ geologist; b Danbury CT; Bs Yale U, PhD 1929; to faculty U NM 1929-, prof geol 1930-62. research prof geol 1962-; many publs New Mexico geology; special interest in turquoise.

4785. -----1942

The University of New Mexico | Bulletin | [orn] | Minerals Of New Mexico | [logo] | By | Stuart A.Northrop | [double rule] | The University Of New Mexico Bulletin | Whole Number 379 July 1, 1942 | Geological Series, Volume 6, No.1 | Published monthly by the University of New Mexico, Albuquerque, New Mexico |... [post inform]...| University of New Mexico Press 1942

Edgestapled: 387 p; fold index map to mining districts inside back pocket(opens to 58.4 x 67.2 cm). Pale yellow-orange print wrap, cover title in frame, with price. 22.9 x 15 cm(9 x 6 in). Cut. $1.00 paper; $1.75 cloth, the latter issued in dk blue cloth, gilt, 23 x 15.2 cm(9 x 6 in). Cut. JSL. GS 42-365.

Cont: tp; quot; tab cont; text; biblio(345-67, 407 entries); list of min districts; minerals index; blank p.

Outstanding among similar state mineralogies for its abundance of historical data on explorations and early mining activities from the first known Spanish records. Includes notes on recently discovered minerals, museum-quality specimens, and a study of the economics of the mining industry. The second part describes minerals alphabetically, giving properties, occurrences, and commonly, ancillary information of much interest. Gemstones are also described, including several varieties of quartz, but particularly turquoise, the last in effect being a cultural essay as well as a natural history of turquoise with special reference to the famous occurrences in New Mexico but also noting those elsewhere in Southwestern United States, 313-27. Rev W F Hunt, *Amer Min*, 28, 2, 1943, 117.

4786. -----1959, rev edit

Minerals | of New Mexico | Stuart A.Northrop | University of New Mexico | [drawing: staurolite crystal] | Revised Edition | University Of New Mexico Press | Albuquerque [1959]

8°: xvi, 665; fold index map inside back cover pocket(71.5 x 81.1 cm) with mining districts indicated in red. Bright blue cloth, black lett & crystal on spine, crystal on front cover. Dk

blue dj, white lett, resume, vita. 23.4 x 15.7 cm(9 1/4 x 6 1/4 in). Cut. $10.00. LC 59-10091. JSL.

Cont: 1/2tp; 3 quots; tp; publ data; dedic; tab cont; pref & suggested readings; ackn; introd; text; districts list; biblio(597-665, 154 serials, 1477 others); blank f.

Follows same plan but enormously enlarged with much new information; bibliography now one of the largest for the state; sections on turquoise, 520-35 and quartz, 420-37. Handsome, well-designed book of good materials.

4787. -----1975

Turquois and | Spanish Mines | in New Mexico | Stuart A.Northrop | University Of New Mexico Press | Albuquerque [1975]

8°: [6], 86 p; front photo + 10 others; 6 woodcut reprods in text as head- and tailpcs. Bright blue, stiff wrap, blue-tint photo on front cover, title in white; blue & black lett back cover. 23.9 x 15.7 cm(9 1/4 x 6 1/4 in). Cut. $2.45. LC 75-7474; ISBN 0-8263-0371-4. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; ill list; text; biblio (75-86, 244 entries).

Reverse of tp: "*Turquois and Spanish Mines in New Mexico* is excerpted from the book *Minerals of New Mexico*, by Stuart A.Northrop, copyright 1944, 1959..." First part on history of mining & mineralogy in New Mexico; second part describes minerals of the deposits, with historical data.

NORTHROP, STUART A, see BROMAN, M G

4788. NORTHROP, STUART A; NEUMANN, DAVID L & SNOW, DAVID H

Turquoise $1.50 | Stuart A.Northrop · David L.Neumann David H. Snow | [photo, woman wearing turquoise/silver jewelry] [Santa Fe: Museum of New Mexico, nd, post 1973; reprinted from *El Palacio*, vol 79, no 1]

Centerstapled: 51 p, 17 fig; centerfold col pl; 1 col fig in text; blue orns, blue captions. Pale brownish-gray wrap, blue title on cover (only), museum address back cover + photo. 27.8 x 21.6 cm(11 x 8 1/2 in).

Contains an article by each of the authors: Northrop, general account of turquoise in New Mexico, imitations, cutting, biblio(20-22, 40 entries). Neumann: current vogue of turquoise, uses, sources, pricing, to p 32. Snow: history of turquoise industry in SW USA in prehistoric times, 33-51, biblio(48-51, 59 entries). Handsome pamphlet. Rev F H Pough, *JCK*, Jun 1981, 234, 236: "really amounts to an update on J.E.Pogue's *The Turquoise*... all three of these articles are of exceptional quality..."

4789. NORTHUP, M ALLEN & LEE, O IVAN Experiments on the thermoluminescence of some common and unusual minerals. *J Opt Soc Amer*, 30, 5, 1940, 206-23; 10 tabs. JSL. Results from testing fluorite, calcite, apatite, wernerite, scapolite, spodumene, cancrinite, rubellite, feldspar, and many others.

4790. NORWOOD, VICTOR GEORGE CHARLES

Man Alone! | Adventures In The Jungles | Of British Guiana And Brazil | by | V.G.C.Norwood | With photographs | by the Author | London · New York | T.V.Boardman and Company Ltd. | 14 Cockspur Street, London, S.W.1 [1956]

8°: xv, [1 blank], 234, [1], [1 blank]p; 36 photos on 8 bound-in matte-finish f(one is front); 3 sketch maps. Yellow-green cloth, gold lett & orn rules on spine; front endp sketch map in brown; back endp plain. Col dj, photos, resume. 21.5 x 13.9 cm(8 1/2 x 5 1/2 in). Cut 18/- net. JSL.

Cont: 1/2tp & front on same f; tp; publ data; dedic; ackn; tab cont; ill & map lists; introd; 20 cks; append; blank p.

Norwood's first expedition into the back reaches of British Guiana close to the Brazilian border in search of adventure, diamonds, gold, and material for this book. Explored watercourses of Mazaruni and Kurupung rivers and found some alluvial diamonds, with text giving useful information on how the diamonds occur, signs that prospectors look for, and methods by which the gravels are dug & washed and stones recovered. Exciting account, well worth reading, even if one is not interested in prospecting.

4791. -----1960

A Hand Full of Diamonds | Further Adventures And Experiences | In The Jungles And Diamond Fields Of | Guiana And Brazil | by | Victor G.C. Norwood | with photographs | by the Author | London · New York | T.V. Boardman and Company Ltd. | 16 Maddox Street, London W.1 [1960]

8°: xx, 235, [1 blank]p; col front glossy pl(2 photos) + 31 photos on 6 tip-in glossy f; 4 sketch maps. Yellow-green cloth, gold lett, orn rules on spine. Col dj, photos, resume. 21.5 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. 18s. net. JSL. LC 60-4740.

Cont: 1/2tp; other bk of author; pl; tp; publ data; dedics; ackn; tab cont; ill lists; introd; 15 chs; concl; append; blank p.

More adventures following up the author's experiences in his previous book. Since 1951, Norwood organized four expeditions to seek diamonds & gold, and also a diamondiferous kimberlite pipe supposed to be the source of the alluvial diamonds found in the watershed of the Mazaruni River. According to Norwood, at least one such pipe was found but this has not been verified. Written in somewhat melodramatic style but still more substantial in content than similar works on the same region published by other authors. Norwood's material on prospecting and mining is very useful. Rev *The Gemm*, 29, 349, 1960, 154-6.

4792. -----1960, London, paperback, in thick tan wrap, title on cover, same dj, etc. Not seen.

NOSTITZ UND JÄNCKENDORF, G A E von, see NORDSTERN, A v

NOTT, STANLEY CHARLES (1902-1958)

Born, educ in Engl; developed strong early interest in oriental art, particularly Chinese jade; expert in deciphering symbolism used on carvings & ritual jades; establ highly successful business in oriental antiquities, London, New York, and lastly, Palm Beach; in last city dir & curator oriental art, Norton Gallery. Summaries of many his works in G M Born, 251-62; Yang, nos 1727-45.

4793. -----1927 The catalogue of Ch'ien Lung jades. Not seen; Nott gives this title in several later works but sans pagination or other details; not in C Denman; Yang 1730 but only title & date. Possibly Nott's earliest formal treatise on jade.

4794. -----1930, ca

Catalogue | Of A Unique | Exhibition | Of Chinese | Hard

stone | Carvings | [3 small orns] | Charles Nott Ltd | 38 Bury Street | St.James's S.W.1 | Telephone -- Whitehall 1173 [wrap title, enclosed in double-rule frame; nd, ca 1930; cover price 2 shillings and announces proceeds from sale of catalog to be handed over to Jubilee Trust Fund]

Centerstapled: 39, [1 blank]p; 1 col pl tip-in; 8 photos on 4 glossy f bound-in & includ in pag. Pale brown textured wrap. 26.4 x 21.5 cm(10 3/8 x 8 1/2 in). Cut. JSL.

Cont: pref; dynasties list; jade mineralogy; col pl; catalog.

Brief descriptions of 275 carved items, including several corals, plus some provenance notes; excellent photographs.

4795. -----1932, ca

Catalogue | Of A | Unique Exhibition Of Superb | Chinese | Jade Carvings | And Various Other Hardstones | Sung · Ming · Ch'ing Dynasties [foregoing in ruled frame] | Price | 7/6 | Charles Nott Ltd. | 38, Bury Street, St. James's, London, S.W.1 | Telephone:.....Whitehall 1173 [wrap title, lett & frame in gold; nd, ca 1932]

Centerstapled: 55, [1]p; 6 tip-in col pls; 20 photos on 12 bound-in f; all ill on glossy paper. Stiff green wrap. 27.5 x 21.5 cm(19 7/8 x 8 1/2 in). JSL.

Cont: pref; chrono tab; introd; cat; advert; print data.

Brief descriptions 275 items, mainly jades; some provenance notes; excellent plates. G M Born, 253.

4796. -----1936

Chinese Jade | Throughout The Ages | A Review of its | Characteristics, Decoration | Folklore and Symbolism | By | Stanley Charles Nott | With an Introduction by | Sir Cecil Harcourt-Smith, K.C.V.O. | Formerly Director of the Victoria and | Albert Museum, London | Illustrated by 39 Plates in Colour and 109 from Photographs | together with 73 line engravings in the text | London | B.T.Batsford, Ltd. | 15 North Audley Street, Mayfair, W.1

8°: xviii, 193, [1 blank]p; col front pl tip-in + 38 other col pls, hinged & sewn-in; 109 b&w photos pls, some hinged, some wrapped around gatherings, and printed on both sides; 73 line drawings with marks, signs, etc and a map in Append 8. Orange cloth, green & red lett in Engl & Chinese on cover; green Engl lett spine. Black dj, green lion drawing on cover; red lett, other bks, on back cover, resume. Pale green jade carving patterned endp. 28.4 x 18.9 cm(11 1/8 x 7 3/8 in). Cut. £ 2/2s. JSL. LC 62-8339.

Cont: 1/2tp; front; tp; publ data(with Chinese seal in red); dedic; Chinese tribute & transl; pref; ackn; tab cont; col pls list; dynasties; introd; 18 chs; 3 appends(Append 6-7, biblios, p 166-74, 192 entries); map; index; blank p.

Highly detailed, comprehensive, and the first to attempt a complete survey of Chinese jades for the benefit of the general public as well as connoisseurs. While Goette's Jade Lore was published in the same year, it does not compare in variety of information and wealth of illustration. The text begins with a brief chapter on the deposits and mineralogy of the jades, followed by several chapters on archaic jades in several dynasties, and ending with chapters studying and interpreting numerous design motifs with many examples illustrated. The appendices include comments on the mineralogical methods useful for discrimination of the several jades and jade-like materials or substitutes, a glossary of Chinese words and phrases, the five sacred mountains of China, principal religious festivals of the Chinese, the dynasties, and the bibliographies, the first of which, in the 6th appendix, contains 44 Chinese works, while the bibliography in the 7th appendix contains 148 works other than in Chinese. The strong interest of Nott in Chinese mythology and associated symbolism is everywhere evident and creates for the reader a useful fund of information on this aspect of jade & hardstone decoration. The illustrations are generally good but lack the crispness of modern work; some color photographs appear "adjusted" in respect to hues and may not accurately reflect the colorations of original pieces. This is easily Nott's most popular and enduring work. Rev *Connoisseur*, 99, 1937, 109-10; *Watchmaker & Jeweller*, Jun 1337, 821-2, ill; G M Born, 258-60; Yang 1735.

An interesting light is cast on the authorship of this work in a comment in the hand of Mr Charles Richard Cammell, Associate Editor of *Connoisseur*, in his own copy presented to him by the publisher. This bitter statement appears on p ix: "The Truth: Every page of the M.S. was rewritten, or transformed by C.R.C. I was there, I lamented the wastage of the lovely Summer Evenings, following a long day at the Connoisseur, for the paltry sum of £ 30. Knott was indeed a Knot: died soon after publication. He did this for Billy Bahr a close friend of ours for many years - And friend of Kitchener, with whom he travelled - on donkeys, thru the remote regions of China - to find Jade Treasures & ancient paintings - all of which I have often seen at his house in Weybridge - "The White Gates" His daughter lives now, in Esher - to whom I speak on her Birthday, April 6th: Same as mine own. I.C. Ap.6th 1942" [The copy in question, JSL, transferred to Gemological Institute of America Library.]

4797. -----1937, New York edit

Chinese Jade |...| New York | Charles Scribner's Sons | London: B.T. Batsford, Ltd. | 1937

P [iv] data changed; the red seal now replaced by another in black with characters stylized; otherwise identical.

4798. -----1962, Rutland, VT, called the "2nd edit"

Chinese Jade | Throughout The Ages | A Review of its | Characteristics, Decoration, | Folklore, and Symbolism | by | Stanley Charles Nott | Charles E.Tuttle Company | Rutland, Vermont & Tokyo, Japan [1962]

8°: xx, [2], 193 p; same ill, the pls bound-in or tipped-in and none hinged; b&w photos show considerable loss of detail; col pls printed on both sides of glossy f. New edit pref precedes original, the latter retitled; else text same. Brownish-orange unfin cloth; green chinese characters & English in gold on cover in frame; gold lett spine; same endp. 26.7 x 18.3 cm(10 1/2 x 7 3/8 in). Be untrimmed. Plasticized dj in brownish orange, back cover panel, pale green jade lion; resume, vita, adverts. USA $15.00. LC 62-8839. In thin, corrugated card slipcase, green title strip on side; folded card edge protector. JSL.

Attracted numerous reviews: *Connoisseur*, 151, 1962, 189; *Apollo*, 77, 1963, 65; *Burlington Mag*, 105, 1963, 452-3; *Amer Mag of Art*, 30, 1937, and other earlier reviews of the first edition. G M Born, 260-1.

4799. -----1939-1940

Chinese | Jade Carvings | Of The | XVIth To The XIXth Century | In The Collection Of | Mrs. George Vetlesen | An Illustrated Descriptive Record | compiled by | Stanley Charles Nott | Author of Chinese Jade Throughout the Ages | Volume

One [-Two, -Three] | Produced for private circulation only [London, 1939, 1939, 1940]

Reverse of title: "This Edition Printed For Gratuitous Private Circulation Is Limited To One Hundred Copies Of Two Volumes [*] Each Of Which This Is No.-----And Is Presented To [space] And Made In Great Britain By B.T.Batsford Ltd. London, WI MCMXXXIX" [* A misprint, corrected, actually in 3 vols]

I: 2°: xxvi, 284 p; front col photo pls + 2 others; 67 b&w photo pls, 11 text line drawings; pls includ in pag, all bound-in. Full green, crushed levant leather, double gilt fillet borders, gilt-paneled spine with raised bands; inner dentelles gilt, green satin lining-papers. Teg. Overall: 44.5 x 29.8 cm(15 1/2 x 11 3/4 in). Cut. Fe & be untrimmed. Original sheet size 41 x 29.7 cm(16 1/8 x 11 5/8 in), deckle-edged. JSL. Yang 1736.

Cont: 1/2tp; blank p; tp; distrib & publ data; front col pl; blank p; transl of Chinese tribute; tribute; dynasties & periods; blank p; cont of vol I; pls list; introd; style characteristics; symbolism; mineralogy; catalog; index.

II: xii, 307, [1 blank]p; front col photo pl + 3 others; 83 b&w photo pls; pls bound-in, includ in pag.

Cont: 1/2tp; blank p; tp; distrib & publ data; front; tab cont; pls list; cat; index; blank p.

III: xii, 304 p; front col photo pl + 1 other; 45 b&w photo pls; bound-in, includ in pag; 75 text line drawings.

Cont: 1/2tp; blank p; front; tp; distrib & publ data; tab cont; pls list; col pl; introd; designs & motifs; catalog; errata this vol; index.

The Vetlesen catalog is certainly one of the largest and most lavish yet to appear. The hand-made paper is thick, high-quality stock, and is interspersed with attractive plates; the letterpress is crisp and handsome in style, and also large enough to afford easy reading. The splendid leather binding is appropriate to the contents. The collection of jades, mostly large carvings of spinach and other green jades, with some jadeites and hardstones, was formally presented by the heirs of Maude Monell Vetlesen to the Smithsonian Institution in Washington, D C on February 5, 1959, and housed in a special room next to the Gem Hall in the Natural History Museum building.

In his introduction(Vol I) Nott states that "to my certain knowledge no other single collection can boast of so comprehensive an assemblage of jade carvings ranging from the 16th to the early 19th century." While the size statement can be argued, the fact is that the collection is both large and impressive, consisting of 134 specimens altogether. They are carefully described in the catalog, often accompanied by considerable discourses on the symbolism displayed on them, and the descriptions augmented with dimensions, provenances, and other pertinent information. Most are illustrated. The first volume contains Nott's essays and information on the formation of the collection. It is interesting to note that the second volume contains no essay material, and is strictly a catalog, but at some point here, or perhaps after completion of work on the second volume, it was decided to expand the catalog to three volumes. This explains why the third volume resumes with a large and elaborate statement of symbolism and an examination of the sources of such symbols in Chinese tradition, religion, and mythology. This remarkable essay spans the first 136 pages of the third volume and could be easily extracted to stand alone as a separate work. The catalog is said to have cost about $500.00 per set to produce at the time; in 1985 a set in London fetched 18 times that amount.

Mrs Vetlesen's first husband, Ambrose Monell(d 1921), founded International Nickel, and produced a stainless alloy of copper and other elements which was trademarked as "monel" metal, finding extensive use in industry as well as in domestic applications. It was during her first marriage that Mrs Vetlesen collected the jades. Her second husband, George Vetlesen, was a wealthy Norwegian. After her death, no room was available among her three children's residences to properly store and exhibit the collection and it was decided to present it to the Smithsonian(see art *Washington Post & Times Herald*, Feb 6, 1959). Rev: *Connoisseur*, 104, 1939, 198-200, ill, also ibid, 106, 1940, 111, 128; G M Born, 257-8; Yang 1736. Han-Shan Tang, London, List 28, no 70, 1985, £ 6,500.00.

4800. -----1940

The House of Jade | 107-109 North County Road | Palm Beach, Florida | A Catalogue | of Rare | Chinese Jade Carvings | compiled by | Stanley Charles Nott | Author of | Chinese Jade Throughout the Ages | and | Chinese Jade Carvings; XVI-XIX Century (3 vols.) | with an Introduction by | Lieut.-General Sir Sydney Lawford, K.C.B. | Illustrated by Fourty-four Plates from | Original Photographs | 1940 [title in double-rule frame; priv print]

4°: XXII, 185, [3 blank]p; front glossy photo pl tip-in + 43 others, tip-ins, each showing one object per leaf; all includ in pag. Dk green creased cloth, gold title in double-rule gold border on cover; plain spine. Pale green endp. 30.5 x 23 cm(12 x 9 in). Cut. $37.50. JSL. Limited edit(p VIII) but quantity unstated.

Cont: 1/2tp; Charity Comm mbrs(*); ackn; front; tp; publ data; dynasties; pref; introd; cat; 3 blank p.

Catalogs an exhibition of jades and hardstone carvings belonging to Nott and various lenders held in Palm Beach to raise funds for American Red Cross and British War Relief during the 1940-1 season. Nott's preface provides general remarks on significance & symbolism in Chinese jades while the introduction by Lawford appeals to donors to be more generous to charities and extols the virtues of collecting jades. The catalog describes 162 pieces of which 44 are depicted on plates, giving also details of symbolism, color, dimensions, etc, and sometimes provenances. Photographs are high quality as are many pieces; outstanding is No 159, plate opposite p 181, showing an amber mountain said to be the "second largest piece of carved amber in the world." It is 27.1 cm tall, 38.2 cm wide, and 19 cm broad, and dated late Ming, circa 1600 AD. *In a later issue, p II is reset with changes in names of committee members and bank. G M Born, 253; Yang 1738.

4801. -----1941 An introductory lecture on the symbolic importance of Chinese jade. Palm Beach, Florida, 1941. [St Augustine: Record Co]. Centerstapled: 20 p. Print green paper wrap. 27.3 x 19 cm(10 3/4 x 7 1/2 in). Cut. JSL. The first of three lectures on various aspects of Chinese jade, presented to members of Palm Beach Art League and the general public. Topics: symbolism, how symbols, motifs, etc, derived from Chinese folklore, religion, etc. A table of dynasties included. G M Born, 262; Yang 1741.

4802. -----1941 An analytical lecture surveying the geographical locations of Chinese jade. Palm Beach, Florida, 1941. [St Augustine: Record Co]. Centerstapled: 20 p; doublepage sketch

map of China with localities of sacred mountains, jade mines, cities, etc, the map serving as p [5-8] of text, but p [5] & [8] are therefore blank. Printed green paper wrap. Same size, etc. JSL. Provenances of jade used by Chinese carvers but only the nephrite from Asiatic sources; some details on deposits, methods of mining, trade routes. G M Born 251-2; Yang 1739.

4803. -----1941 An expository historical resumé identifying one hundred and one famous Chinese jades. Palm Beach, Florida, 1941. [St Augustine: Record Co]. Centerstapled: [iv], 26 p; 5 tip-in photo pls, one is front; 21 fig on both sides of a single f not includ in pag. Printed green paper wrap. Same size, etc, JSL. Cultural significance of jade and carvings during several dynasties as deduced from the objects shown on the plates. G M Born 261; Yang 1742.

4804. -----1941

An | Illustrated Annotation | On The | Working And Dating | Of | Chinese jades | By | Stanley Charles Nott | Illustrated | with | Fourteen Reproductions | From Original Photographs | [rule]] Recording a Lecture Presented | at | The University Of Florida | The Fall Session | October 29th, 1941 | [v] [St Augustine: Record Co].

8°: xii, 50 p; col front pl tip-in; 13 tip-in & bound-in pls of which 6 are reproductions of paintings showing various steps in the lapidary treatment of jade, and the remainder of carvings. Green, creased cloth, gold lett in double-rule gold frame on cover; gold lett spine. Pale green shallow relief jade carving endp. 30.5 x 23 cm(12 x 9 in). Cut. $15.00. JSL.

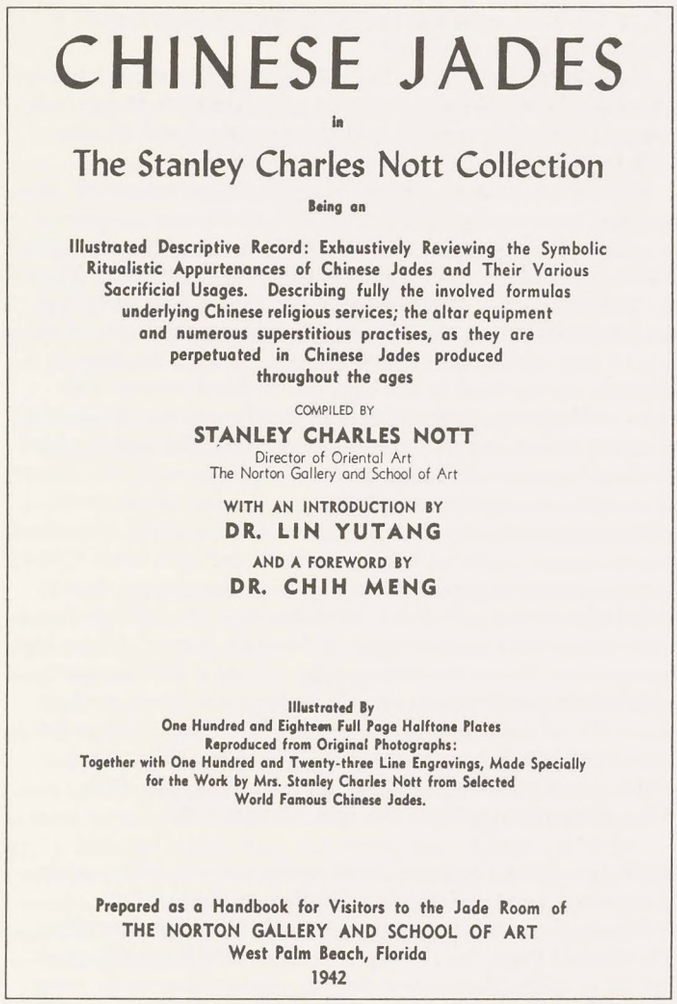
Cont: 1/2tp; other Nott bks; front; tp; publ data; dedic; pref; text.

History of jade collecting by others than the Chinese; types of work; development Chinese jade carving industry; various objects and significance of designs & motifs; tests for jades; jade mineralogy; stones confused with jade or used as substitutes; methods of dating; brief review of steps in carving. The last few pages list museums and collectors possessing important collections. The criteria for dating jades are only briefly expounded and include consideration of motifs, styles, etc, coupled with traces of lapidary work which Nott considers to be of great importance although many will argue that the methods, tools, and abrasives have not changed much since antiquity. The description of lapidary work is based on personal observations plus remarks gleaned from other authors but is marred by Nott's unfamiliarity with the mineralogy of the several jades and jade-like materials, and the identities of the abrasive, smoothing, and polishing agents employed by the traditional Chinese jade carver. Throughout the discussions he stresses the "months" and "years" required to execute carvings when now it is known that even the most complicated works are speedily brought to completion in far less time requiring all such exaggerated estimates of time to be revised downward. Not referenced by Hansford, *Chinese Jade Carving*, 1950, which see, and which at present remains the best description of Chinese jade carving technique. G M Born, 261-2; Yang 1740.

4805. ----- 1942

Chinese Jades | in | The Stanley Charles Nott Collection | Being an | Illustrated Descriptive Record: Exhaustively Reviewing the Symbolic | Ritualistic Appurtenances of Chinese Jades and Their Various | Sacrificial Usages. Describing fully the involved formulas | underlying Chinese religious services; the altar equipment | and numerous superstitious practises, as they are | perpetuated in Chinese Jades produced | throughout the ages | Compiled By | Stanley Charles Nott | Director of Oriental Art | The Norton Gallery and School of Art | With An Introduction By | Dr.Lin Yutang | And A Foreword By Dr.Chih Meng | Illustrated By | One Hundred and Eighteen Full Page Halftone Plates | Reproduced from Original Photographs: | Together with One Hundred and Twenty-Three Line Engravings, Made Specially | for the Work by Mrs.Stanley Charles Nott from Selected | World Famous Chinese Jades. | Prepared as a Handbook for Visitors to the Jade Room of | The Norton Gallery And School Of Art | West Palm Beach, Florida | 1942 | V [Title in double-rule frame; St Augustine: Record Co]

4°: XVI, 536, [2 blank]p; col glossy front portr of author tip-in + 118 fullp glossy tip-in pls + 16 text fig(132 line drawings). Green, creased cloth, gold title in double-rule frame on cover; gold title & ruled panels on spine. Pale green shallow relief jade carving endp. Ae stained green. Yellow dj. $75.00.



CHINESE JADES

in

The Stanley Charles Nott Collection

Being an

Illustrated Descriptive Record: Exhaustively Reviewing the Symbolic Ritualistic Appurtenances of Chinese Jades and Their Various Sacrificial Usages. Describing fully the involved formulas underlying Chinese religious services; the altar equipment and numerous superstitious practises, as they are perpetuated in Chinese Jades produced throughout the ages

COMPILED BY

STANLEY CHARLES NOTT

Director of Oriental Art
The Norton Gallery and School of Art

WITH AN INTRODUCTION BY

DR. LIN YUTANG

AND A FOREWORD BY

DR. CHIH MENG

Illustrated By
One Hundred and Eighteen Full Page Halftone Plates
Reproduced from Original Photographs:
Together with One Hundred and Twenty-three Line Engravings, Made Specially for the Work by Mrs. Stanley Charles Nott from Selected World Famous Chinese Jades.

Prepared as a Handbook for Visitors to the Jade Room of
THE NORTON GALLERY AND SCHOOL OF ART
West Palm Beach, Florida
1942

4805. Titlepage to the so-called "handbook" to Nott's jade collection in Nortyon Gallery, West Palm Beach, Florida but its large size makes it anything but that

JSL. P VI: "This edition is limited to one thousand copies... [facsimile signature of Nott]"

Cont: 1/2tp; other Nott bks; front; tp; publ data & limited edit note; dedic; Chinese tribute to jade; fwd(Chih Meng); tab cont; pls list; ackn; introd(Lin Yutang); author pref; 31 chs; biblio(p 515-23, ca 315 entries); index; blank f.

Nott describes and explains the ritualistic importance of jades and hardstone carvings selected from his collection and housed in several specially-constructed rooms open to public viewing in the Norton Gallery and School of Art, West Palm Beach, Florida. The first part of text treats jade deposits in Asia, including the jadeite of Burma, then Chinese lapidary methods, ritualistic uses of jade vessels, with line drawings of motifs, the dragon influence as expressed in carvings, the mythical monster t'ao t'ieh, emblems and devices derived from Taoism and Buddhism, botanical forms, and chronology of dynasties. The major part of the work consists of photographs and explanations of the objects in many forms, eg, screens, plaques, mountains, statuettes of deities, containers, etc. Most are carved from nephrite but other stones include quartz varieties, malachite, and lapis lazuli. Objects are described according to use, dimensions, color, dates, and symbols displayed. None are earlier than the 17th century, some being dated to early years of the 20th century. All are high quality work. While the bibliography is large it contains many other works besides those on jade. A large and heavy work, 7 cm(2 3/4 in) thick, it is by no means a "handbook," but rather a work for leisurely perusal at home. G M Born 255-6; Yang 1743. Rev *Antiquities*, 43, 1943, 40; *Art News*, 41, 1942, 32(reply & rejoinder by Nott, ibid, 42, 1943, 4).

4806. -----1944 Chinese art of world renown; being a commemorative survey of priceless Chinese art displayed at "Jadeholm," compiled by Stanley Charles Nott. [St Augustine: The Record Press, Inc.,1944]. Not seen: G.M.Born 254 gives: xxi, 58 p, includ front portr; 46 pls; yellow paper wrap, cover title, 28 cm, $2.50. Yang 1744. Richard Lyon, England, Cat Sept 1987, no 562, gives "one of a numbered, limited edition of 1,000 copies... record of exhibition organised by the Chinese Culture Study Group of America."

4807. -----1945 Catalogue... Chinese ceremonial jade carvings... presented to the Norton Gallery of Art, West Palm Beach, Florida, 1941 to 1945, by Mr. and Mrs. Ralph H.Norton. [West Palm Beach, Norton Gallery of Art, 1945]. Not seen: G M Born 252 gives 24 p, green wrap, cover title, 23 cm.

4808. -----1946

Chinese | Culture in the Arts | Being an Illustrated Descriptive Record | of the Meaning of the Emblematic and Symbolic Designs Personified | in the Arts of China throughout the Ages | Compiled By | Stanley Charles Nott | With An Introduction By | H.Phelps Clawson | Honorary Curator of Anthropology, Buffalo Museum of Science | Illustrated by | Sixty-Six Halftone Plates reproduced from original photographs; | A Fully Descriptive Map of China; together with One Hundred Eighty-Seven Line Engravings | made specially for the work from | selected world-famous specimens of Chinese Art | by Mrs. Stanley Charles Nott | Chinese Culture Study Group Of America | New York · MCMXLVI [New York: 17 East 42nd Street, 1946]

8°: xx(includ front pl), 134 p; col front pl on tip-in glossy f + 65 photos on 20 bound-in glossy f; 187 line drawings, sketch map. Pale yellow unfin cloth, green jade mountain scene endp. Orange-tan dj, col photo on cover, resume, other bks sold by the group. 31 x 23.5 cm(12 1/8 x 9 1/4 in). Cut. $9.75. JSL. Limited edit, 1,500 copies, numbered.

Cont: 1/2tp; other Nott bks; front; tp; publ data & limited edit note; dedic; ackn; author fwd; Chinese sayings; tab cont; pls list; figs list; introd; author pref; text; dynasties; biblio(p 128-34, ca 300 entries).

H Phelps Clawson, in the introduction, states "the main object of this book is to rescue from partial oblivion and to set forth the meaning of the symbolism of the art of ancient China and to make it intelligible and eloquent to all." Towards this end, Nott categorizes the motifs into "twelve distinct sections surveying separately those which embody the essences of Aquatic Life, Mammalian Existence, Bird Life, Reptile Life, Insect Life, and Vegetation," also "Mineral Existence, Terrestrial Formulas, Celestial Bodies, Hierarchic Principles, and Mythological Conceptions," and "lastly, in a large group of materialism will be classified the purely ornamental concept." These are treated in specific representations as dragons, gods, goddesses, mythical beasts, the tortoise, the four accomplishments, and others, as depicted in the line drawings and in photographs. Curiously, in what is otherwise a work on symbolism, Nott inserts a section on jade sources in China and America, p 53-54, and Chinese jade cutting, 54-58. The sketch map, facing p 53, shows the Chinese Empire and places of interest to the archeologist as well as the student of jade. In connection with the discussion of lapidary work appear the eleven colored illustrations of Chinese jade carvers at work taken from his *Illustrated Annotation*, see above. Such redundancies, unfortunately, are typical of much of Nott's writings. The illustrations are generally clear, with by far most being of jade carvings. The extensive bibliography includes numerous works not directly related to jade and as before, entries lack paginations. G M Born 254-5.

4809. -----1947

Voices From | The Flowery Kingdom | Being An Illustrated Descriptive Record Of The | Beginnings Of Chinese Cultural Existence Incorporating | A Complete Survey Of The Numerous Emblematic Forces | Selected From Nature By The Ritualistic Leaders | Of The Chinese Throughout The Ages | By | Stanley Charles Nott | International Authority on Chinese Jade | Author of Twenty-Two Standard Works | on China, Chinese Life and Chinese Art | With an Introduction by | Dr.Byron E.Eldred | Illustrated by twenty-four full page natural color plates, | one hundred and three halftone plates reproduced from original photographs, | seventy-nine line engravings made especially for the work by Mrs.Stanley Charles Nott | The Chinese Culture Study Group Of America | New York · MCMLVII [1947; "Distributed By The House Of Jade, Ltd... New York"].

8°: xxv, [1], 278 p; glossy front photo pl tip-in & includ in pag; 23 other col photos, 1 per glossy f; 105 photos on 32 glossy f; 80 line drawings on 14 text panels; all pls bound-in & includ in pag. Bright red unfin silk, gold cover title; gold title, horizontal rules on spine; green shallow relief jade carving endp. White dj, col photo on cover; photo of other books on back cover with titles & prices; flap resume. 28 x 20.4 cm (11 x 8

in). Cut. JSL. Limited edit of 500 copies, numbered, autographed.

Cont: 1/2tp; other Nott bks; front; tp; publ data; dedic; ackn; fwd; quot from Chinese; dynasties; tab cont; col pls list; half-tone pls list; figs list; introd; author pref; text; biblio(p 260-5, over 270 entries); index.

The title gives little hint that this is primarily a work on the symbolism of Chinese jade similar in treatment to his previous *Chinese Culture in the Arts*, described above. In the introduction, Eldred states that "the author has consistently adhered to the set purpose of placing on record a complete interpretation of the fundamental origins of the principal symbolic ritual emblems of the oldest known Oriental civilization." Accordingly, the text treats jades used in funerary ceremonies, stylized representations of tools, implements, weapons, sacrificial & ceremonial objects, marks of rank or office, a treatment of a large number of animal motifs, and including wild as well as domesticated animals. All of it is interspersed with comments or what even amount to short essays related to the subjects, much of it offered in proof of Nott's conclusions. This work seems also to have been ignored as a reference by others writing on jade, eg, Salmony, Wills, Hansford, et al, despite the fact that each of these writers also discusses the symbolism of jade carvings. This may have been due to the very few copies issued but probably reflected lack of esteem for Nott and his works. Despite the possibility just mentioned, this work, as in many others of Nott, contains a great deal of highly interesting information; its scientific value, or the validity of Nott's conclusions, should be compared to those of the more scholarly students of Chinese jade. Good illustrations and a well-made book.

4810. -----[1948] A natural-color photographic record identifying some of the world's most valuable and famous ritualistic Chinese jades. [Assembled by ... S.C.Nott.] New York [1943]. 16 p., ill, some col. Not seen, above from G M Born 262.

4811. NOTTON, CAMILLE The chronicle of the Emerald Buddha. Bangkok, 1932, 52 p, 7 pls, paper wrap. Detailed history of the celebrated stone statuette of Buddha in a Bangkok, Thailand temple. While the material is said to be jade it is apparent that it is more likely some sort of green jasper or a green rock(pers viewing).

4812. NOUGAYROL, J Cylindres-sceux et empreintes de cylindres trouves en Palestine (au cours de fouilles regulières). Paris 1939, xxix, 70 p, 11 pls, wrap, 28.5 x 23 cm. Not seen, from Thomas Heneage, London, Cat 8, 1984, no 344.

NOVÁK, FRANTISEK, see SBOKNIK NARODNIHO MUZEA

NOVUS THESAURUS GEMMARUM, see MONALDINI, V

4813. NOWAK, W Beitrag zur Biologie der *Margaritana margaritifera* in Südböhmen mit besonderer Berücksichtigung der Möglichkeit einer rationellen Perlenzucht in diesem Gebiete. *Archiv für Hydrobiologie*, Stuttgart, 22, 1930, 72-128. Not seen.

NULL, VON DER, see MOHS, F

NÜRT, G C L, see EPIPHANIUS, 1698

4814. O.L.M. MACAN MARKAR LTD Gems. O.L.M. Macan Markar Ltd, Colombo, Ceylon, nd, post 1954, center-sewn: 34, [1 blank], [1]p; col ill 3 cut gems; 18 photos, portrs, news clippings, etc. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Pale green wrap, cover title(only) in frame, diagonal gem-set band; back cover map of York St, Colombo; inside front cover sketch map; inside back cover advert. Advertising brochure issued by this eminent firm of gem dealers: historical & romantic remarks on Ceylon & its gemstones, firm members, testimonials, brief gemstone descriptions, birthstones, zodiacal stones, table principal Ceylon and other oriental stones.

4815. OAKENFULL, JOHN CHARLES (1874-)

Brazil, | In 1909. | By J.C.Oakenfull. | [Brazil seal] | Published under the auspices of the | Brazilian Government Commission | Of Propapanda And Economic Expansion. | 28, Boulevard des Italiens, Paris. | [rule] | First Edition (April, 1909).

8°: 237, [1], [2 blank]p; tip-in fold front map of Brazil; 17 photos on 6 bound-in glossy f. Olive-green cloth, black title on cover; thin, flexible bds. Pale green floral endp. 18.2 x 12.3 cm(7 1/8 x 4 7/8 in). Cut.

Cont: map; tp; tab cont; 22 chs; append(biblio, p 232-5, 31 entries & misc info); blank p; print data; blank p.

Astonishing amount accurate information compressed into a small space: geography, geology, peoples, resources, industries, cultural aspects, with statistics. Ch 18, "Geology and mineralogy," p 195-208, useful data and descriptions, mines, etc, with much on the gemstones and gemstone mining industry: quartz varieties, beryl, chrysoberyl, diamond, euclase, garnet, spinel, sapphire, tourmaline and topaz. Similar chapter carried on in succeeding editions.

4816. -----1910

Brazil | In 1910 | By | J.C.Oakenfull | Edited By The | Commission Of Economic Expansion Of Brazil, Paris | [rule] | Second Edition, 5,000 Copies | First Edition, "Brazil in 1909" (exhausted). | [rule] | Published by the Author at | 21, Clifford Terrace, St.Budeaux, Devonport | England | [rule] | Printer: | Rt.White Stevens, 15, Parade, Plymouth | March, 1910

8°: [2 blank], [6], 280 p; large fold map Brazil tip-in as front; 53 photos on 17 bound-in glossy f; 9 fig; 3 tip-in fold maps. Dk green cloth, black title on cover; thin bds. Pale yellow & brown crackled pattern endp. 18.6 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. JSL.

Cont; blank f; map; tp; dedic; tab cont; introd; 29 chs; 6 appends; information on the Commission.

Geology & mineralogy in Ch 16, p 190-8, gold & diamonds in Ch 17, 199-212(maps & figs of mining regions). Ch 17 also treats the gemstones, p 213-5. Short list Brazilian gemstones p 225. Biblio now Append D, 267- 73, 64 entries; Append E, 275-7, glossary of terms "mostly to mineralogy," 67 entries.

4817. -----1912, for 1911

Brazil In 1911 | J.C.Oakenfull | Third Annual Edition | (10,000 copies) | February, 1912 | Printed By | Butler & Tanner, Frome And London | Copyright in the United Kingdom [priv publ]

8°: xii, 295 p; front fold map Brazil; 61 photos on 20 bound-in f; 14 fig. Dk green cloth, title only on spine, in black; bds very thin & flexible. Coarse text paper. 18.5 x 12.3 cm(7 1/4x 4 7/8 in). Cut. JSL. LC 12-29959.

Cont: blank p; receipt request; 1/2tp; map; tp; introd; tab cont; 22 chs; 8 appends; concl; index; blank p.

Geology & paleontology, Ch 19, p 249-55; Ch 20, 256-302, mineralogy & gemstones, among which new species added; diamond now included in this ch and not treated separately. Append 2, the glossary, 343-7, now only partly mineralogy; Append 4 is on salaries & cost of living, and for some reason, includes prices of colored gemstones in Rio De Janeiro, p 360-1; Append 13, 281-9, bibliography.

4818. -----1913, for 1912

Brazil In 1912 | J.C.Oakenfull | March, 1913 | Brazil in 1909 - 240 pp. - 5,000 copies | Brazil in 1910 - 280 pp. - 5,000 copies | Brazil in 1911 - 400 pp. - 10,000 copies | Robert Atkinson (London) Limited | St. Paul's Chambers, 19 Ludgate Hill | London, E.C. | 1913

16°: viii, 498, [2 blank]p; fold map of Brazil tip-in ahead of front pl(col, glossy paper, tissued, of cut gems) tip-in; 99 photos on 33 tip-in & bound-in glossy f; 14 fig(2 maps). Red cloth, black spine title; thin flexible bds; rounded corners bds & text. Very thin, near-tissue paper. 18.6 x 12.3 cm(7 3/8 x 4 7/8 in). Cut. 5s. 12,000 copies. JSL; GS 13-753.

Cont: blank p; press run & receipt request; map; 1/2tp; front; tp; publ data; tab cont; introd; 22 chs; appends; concl; index.

Geology & paleontology Ch 19, p 296-303; Mineralogy, Ch 20, 304-62, same gemstones but with properties table, useful statistics on production and diamond prices. Append 2 is glossary, Append 8, biblio, 466-78. The first edition in the series to incorporate a colored plate of gems.

4819. -----1914, for 1913

Brazil | (1913) | J.C.Oakenfull | First Edition 1909 - 240 pp. - 5,000 copies | ...[etc]... | Fourth 1912 - 500 pp. - 12,000 copies | Printed by Butler & Tanner, Selwood Press, | Frome, England | Price 7/6 Net

16°: viii, 604 p; tip-in fold map Brazil; col front pl of gems, tissued, tip-in; 84 photos on 35 bound-in & tip-in glossy f; 35 fig(3 maps); 2 fold col litho maps of Rio De Janeiro and São Paulo, tip-ins. Red cloth, black spine title; rounded corners; thin flexible bds; very thin paper. Same p size. JSL.

Cont: blankp; press run & receipt request; map; distrib statement; front; tp; publ data; tab cont; introd; 23 chs; appends; index.

Geology & paleontology, Ch 20, p 388-97; Mineralogy & Gemstones, Chs 21 & 22, 398-429, 430-78, the last including much miscellaneous mining information, a summary of gem mining laws, prices of cut gems in Rio, and a "special" biblio, 477-8, 8 entries. Append 3, 576-98, is the regular biblio. The color plate is now after a beautifully-executed series of watercolor drawings of cut gems done by Howard Penton and well reproduced.

4820. -----1919

"Brazil" | Past, Present And Future. | J.C.Oakenfull. | [Brazil seal] | Price 15/- net. | 45,000 Copies of "Brazil" in 1909-10-11-12 & 13 | distributed. | London: | John Bale, Sons & Danielsson, Ltd., | Oxford House, | 83-91, Great Tichfield Street, Oxford Street, W.I. | [rule] | 1919.

16°: viii, 814, [2 advert]p; fold sketch map tip-in; 39 ill(mostly photos) on 16 tip-in glossy f; 42 text fig. Pale gray print wrap, title on cover & spine, 18.3 x 12.4 cm(7 1/4 x 4 7/8 in). Cut. 15/- net. JSL.

Cont: blank p; receipt request; tp; publ data; tab cont; fwd; map; 30 chs; 4 appends; corrigenda; index; advert.

Considerably enlarged in most chapters; Geology & paleontology, Ch 22, p 451-65; Mineralogy now in 4 chapters, namely, Chs 23-26, 466-578, of which Ch 24, 486-515, devoted to the diamond. As before the minerals and gemstones are taken up in alphabetical order and form an important contemporary source of information on the mineral wealth of Brazil. All of it is given in considerable detail and is based on the extensive travels of the author into the interior and from numerous inquiries. Replies to his inquiries were not always promptly forthcoming and in his foreword, Oakenfull waxes vitriolic at the refusal of authorities to cooperate in his search for information.

4821. -----1922

"Brazil" | A Centenary Of Independence | 1822-1922 | J.C.Oakenfull | [Brazil seal] | 50,000 copies of previous six editions disposed of. | C.A. Wagner | Freiburg i.B. Germany | August 1922.

8°: VI, [1 blank], [1], 826, [1], [1 blank]p; 44 photos on 18 bound-in glossy f; 44 fig(4 maps); fold map of Brazil tip-in inside back cover. Orange-yellow ribbed paper wrap, black title & Brazil seal on cover; spine title. Thin, tissue-like paper. 19.3 x 13.3 cm(7 1/2 x 5 1/4 in). Uncut. JSL.

Cont: 1/2tp; tp; publ data; pref; tab cont; 31 chs; appends; index; corrigenda & addenda; press notices; advert; blank p; fold map.

Similar to its predecessors in format; Ch 22, p 450-65, on Geology & Paleontology, and 4 chs on Mineralogy, Chs 23-26, 466-594, and including the special Ch 24 on Diamonds, 489-520. I believe this is the last edition.

OATES, F, see TEALE, E O

4822. OATES, F A HARMON

Catalogue | Of | Finger Rings | Brought Together By | F.A.Harmon Oates, F.S.A. | [rule] | Privately Printed | 1917 [London?; title in red & black]

2°: [1 blank]f + [1]f bearing limited edit note, tip-in + [4], 12 f, all letterpress rectos only, versos blank; headings in red, One small fig in "Addenda" + 5 tip-in photo pls. Pale blue cloth, streaked vertically in white; vellum spine hand-lettered in black. Thick, hand-laid paper; te gilt & cut, other edges untrimmed. 29.3 x 20 cm(11 1/2 x 7 7/8 in). JSL.

Cont: blank f; limit edit note; 1/2tp; tp; introd; pl 1; text; addenda.

An elegant, tastefully designed & executed work, with a hand-lettered title on the vellum spine. This work is excessively rare, only "Thirty-six copies... privately printed. This is No.3 | [author's ink signature] | Lancaster House, | St.James', S.W." The introduction discusses materials, parts of the ring, gems used, and some uses of rings. The catalog lists and describes rings from Egyptian, BC 1000 to 17th C, with addenda describing two other rings. Surprisingly, the photographic plates are only mediocre in quality although details of rings are plain.

4823. -----1981, reprint, by Thomas Heneage, 26 Chelsham Road, London SW4 6NP, England, 42 p, buckram, price £28.50, or prepublication £ 23.50. It is noted that "the collection was dispersed at Auction by Sotheby's, London in February 1929 and passed into various collections." Not seen.

4824. OBENAUER, K Nach dem Edelsteingruben Brasiliens. *Der Aufschluss*, 14, 3, 1963, 57-69, 10 fig(2 maps); 15, 5, 1964, 123-40, figs 11-25(2 maps), 8 ref. Firsthand remarks based on visits to a number of gemstone deposits in Brazil.

4825. O'BRIEN, DAN The beginning faceter. *Mineral Notes & News*(name later changed to *Gems & Minerals*), Ridgecrest, CA, no 169, Oct 1951, p 4 to no 180, p 8 ff. Elementary instructions.

4826. -----1953

How To Cut Gems | By Dan O'Brien | Price $1.00 |...[2-line quot]...| Photography by Sandy Faber | Drawings by Eve Faber | Copyright by Dan and Marie O'Brien - according to Act of Congress. | Published by Dan and Marie O'Brien | 1116 North Wilcox Avenue - Hollywood 38, California | Printed by Harman Press - Hollywood, California [1953]

Centerstapled: [2], 50 p; front photo; 41 fig(mostly photos); tab. Thick white paper wrap, red band & drawings of a brilliant, black lett. 23.6 x 15.6 cm(9 1/4 x 6 1/8 in). Cut. JSL.

Cont: tp; pref; front; tab cont; 18 chs; tab; biblio(5 magazines).

Somewhat less than half of text devoted to cutting cabochons, each step being adequately described and illustrated; remainder on faceting with advice on how to manipulate the faceting device invented by the author. Table lists gem materials vs properties and lap/agent combinations.

OBRISSET, JOHN, see PHILLIPS, PHILIP A S

4827. OCHERK mestorozhdenii dragotsennykh kamnei v Nerchinskom krae. St Petersburg, 1912, 67 p. Not seen. Gemstone occurrences in Nerchinsk, Siberia region.

4828. OCHS, L Les mines de diamants de l'Afrique du Sud, Paris: *Campiègne*, 1904-1905(2 issues), 30 p, wraps. Not seen.

4829. O'CONNOR, V C SCOTT The silken East; a record of life and travel in Burma. London: Hutchinson & Co, 1904. 8°: 2 vol, ill, pls. Rubies of Burma vol 2, 751-832. Not seen; taken from a Library of Congress list.

4830. ODINTSOV, M M; TVERDOKHLEBOV, V A; VLADIMIROV, B M; IL'YUKHINA, A V;

KOLESNIKOVA, T P, & KONEV, A A Struktura, vulkanizm i almazonosnost Irkutskogo amfitetra. *Akad Nauk SSSR, Sibirskoe Otdelenie, Trudy Vostochno- Sibirskogo Geologicheskogo Instituta* Vypusk 4, Moskva,l962. 8°: 176, [4]p; 57 fig(3 fold geol maps); 8 tab. Pale blue paper over bds, pale gray cloth spine, blue title on cover. 25.7 x 16.5 cm(10 1/8 x 6 1/2 in). Cut. 1 r 23 k. 1,200 copies. JSL. Geology of the Irkutsk Basin, rock formations and evidences of volcanism, and showing relationships between the basement formations and disseminated alluvial diamonds. Ch 7, 153-68, describes satellites of the diamond.

4831. ODIORNE, H H

Colorado Amazonstone | The Treasure of Crystal Peak | [col photo of crystal group] | by H.H. "Tom" Odiorne [title f black, lett white; Denver, Colorado: Forum Publishing Company, 1978]

Oblong 8°: [1 blank], [1], 50, [1], [3 blank]p; 32 col photos; 16 line drawings; 2 sketch maps. Pale blue-green cloth, gold amazonite crystal group on cover; gold lett spine. Col dj, black, like title, with col photo of author on back cover, vita. 20.3 x 26.6 cm(8 x 10 1/2 in). Cut. $12.95. JSL.

Cont: blank p; title photo caption; tp; publ data; dedic; ackn & photo credits; tab cont; pref; 9 chs; col photo; 3 blank p.

While largely on occurrences of amazonite in Colorado, with remarks on type deposits, associated minerals, etc, this handsome, well-illustrated work also treats the history of its discovery and exploitation in the state, other deposits in the United States and abroad, prospecting methods, cause of color, crystallography, granitic pegmatites, and forecasts likelihood of finding more deposits. Very little is said about amazonite as a lapidary material. Color photos range from fair to good, while reproduction quality leaves much to be desired. The only monograph on this feldspar variety. Rev *Lap J*, 33, 4, 1979, 983-4. The author a graduate of Emory University, is a professional geologist residing in Littleton, Colorado.

O' DONOGHUE, MICHAEL JOHN (1934-)

Brit civil servant; Wyggeston Sch Leicester; MA Cambridge U; curator earth sci Brit Libr, London; writer & lecturer in gemology; FGS, FGA.

4832. -----1974 Man's search for the gem. *Gems*, 6, 2, 1974, 11-13 to 7, 3, 1975, 55, 57, ill; 11 articles altogether on gemstones & gems in general.

4833. -----1976

Synthetic Gem Materials | Michael O'Donoghue | [coat-of-arms] | The Worshipful Company Of Goldsmiths | London 1976

Cementb: [2], [1 blank], 215, [4 blank]p; glossy white paper wrap, yellow-green crystals group on cover with black title; other surfaces plain. 29.3 x 20.5 cm(11 1/2 x 8 1/3 in). Cut. ISBN 0 9501079 1 3. JSL.

Cont: tp; publ data; introd; trade names; biblio(p 4-17, 71 journals, 23 monogr); text; 4 blank p.

Compiles many hundreds of references to synthetic gem materials arranged in inverse chronological order under the alphabetically-ordered materials, The materials include assembled gems, also such exotic substances of doubtful gem value as ammonium sulfate and others. Each entry by name, color, type, manufacturer, identification and reference(s). Curiously, the periodical entries do not provide author names. Rev *La Gemmologia*, 3, 1, 1977, 8.

4834. -----1976, editor

The Encyclopedia | of Minerals and | Gemstones | Edited by Michael O'Donoghue | Orbis Publishing London [1976; title photo, spread over 2 p, title recto, in green ink]

8°: 304 p; ca 460 col photos & ill; 75 drawings; 18 tabs on tinted panels. Dk brown, plasticized cloth-type paper over bds; gold spine title. Dull purple endp with photo of agate nodule

sect. Black, plasticized dj, col photos on covers; resume, vitae. 28.9 x 22.4 cm(11 3/8 x 8 3/4 in). Cut. ISBN 0 85613 209 8. £ 7.95 net in UK only. JSL.

Cont: 1/2tp; col photo/tp; publ data; tab cont; introd; 8 chs; gloss; identif tabs; conversion tabs; addresses; biblio(p 296-7, 47 bks, 25 periodicals); index & ackn.

A large, impressive work, for the general public, part instructive, part informative, and falling into two distinct sections, the first, a series of essays on mineral chemistry by Robert Thompson, the crystalline state by John Bradley, geology for the collector by Alan Woolley, minerals valuable to man by Robert Symes, identification of minerals by O'Donoghue, fashioning of stones by Colin Winter, and the conservation & display of minerals by O'Donoghue. None of these chapters provide more than a survey of the subject, including that on lapidary work, p 92-137. The second and largest part of the work is the encyclopedia of minerals by O'Donoghue in which condensed descriptions, localities, etc are provided for some 1,000 minerals. Both parts are well illustrated with photographs and drawings but crystal drawings, usually provided with works of this type, are conspicuous by their absence. Generally speaking, the color reproduction is of high quality. Extended review by B W Anderson, *J Gemm*, 15, 8, 1977, 458-60; C Rogers, *Gems*, 9, 1, 1977, 51.

4835. -----1976, New York edit

The Encyclopedia |...| G.P.Putnam's Sons New York [1976]

LC 76-1419; ISBN 399-11753-9. $22.50. Aside from front matter, identical.

A portion of this work was published by Van Nostrand Reinhold Co of New York as the *VNR Color Dictionary Of Minerals & Gemstones*, by Michael O'Donoghue, 1981, cementb, sewn, 159 p, LC 81-71865, ISBN 0-442-37431-9, comprising the portion of the original written by O'Donoghue. Rev *R & M*, 58, 4, 1983, 187.

4836. -----1976, Ital edit Enciclopedia dei minerali e delle gemme. Novara: Istituto Geografico De Agostini, 1976, 311 p, col ill, drawings, tabs. Lire 20,000. Not seen: rev in *La Gemmologia*, 3, 3/4, 1977, 30.

4837. -----1977, Fr edit

Gemmes | Et | Mineraux | Editions | Atlas [Paris: Éditions Atlas s.a.r.l., 1977]

8°: 312 p; same ill. Dk green leatherette cloth, gold title on cover & spine; same endp; similar dj but lacking vitas. 28.7 x 22.2 cm(11 1/4 x 8 3/4 in). Cut. Fr 160.

Cont: 1/2tp; tp; publ data; tab cont; introd; 8 chs; append; gloss; identif tabs; biblio(p 305, 70 entries); index.

Title now printed in black upon a white panel; an appendix describes an additional 180 minerals(p 288-97); bibliography contains several titles in French and German and the periodicals omitted; also omitted is the "important addresses" of the original.

4838. -----1977, Ger edit Enzyklopädie der Minerale und Edelsteine. Verlag Herder, Freiburg - Basel - Wien, 1977, 304 p, over 450 col ill, ca 100 monochrome ill & tabs, cloth. 22.8 x 30 cm. DM 98.- Not seen: rev *Der Aufschluss*, 29, Sept 1978, 304-5.

4839. -----1983

A Guide to | Man-made | Gemstones | Michael O'Donoghue | M.A., F.G.S., F.G.A. | Colour photography by Dr Edward Gübelin C.G., F.G.A. | [logo] | Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [1983]

16°: 223, [1 blank]p; 67 fig; 10 unnumb spectrum diagrams; 61 col photos on 8 yellow glossy bound-in f. Black cloth-type paper over bds, tan endp. Black dj, col photo on front; flap resume, vita. 21.6 x 13.7 cm (8 1/2 x 5 3/8 in). Cut. LC 82-23863; ISBN 0-442-27253-7. $35.00. JSL.

Cont: 1/2tp; tp; publ data; tab cont; col pls list; introd; 23 chs; append(trade names); biblio(p 212-8, ca 35 journals, 25 monogr); index; blank p.

Written in simplified language, this book is meant to assist anyone working with or selling synthetic gemstones which are creating for themselves an increasingly larger share of the market. Initial chapters define crystals, their modes of growth, principal methods of synthesis, irradiation and coloring of gem materials, coatings, and the testing of such materials with considerable discussion of inclusions and the methods of photographically recording them. A section of colored pictures shows typical inclusions, but curiously, these have been printed upon yellowish paper which affects the accurate rendition of color. The remainder of the text is descriptive, treating such older classical synthetics as corundum and spinel to such modern creations as diamond, newer forms of emerald, ruby, and others, and many commoner stones as garnets, quartzes, precious opal, and turquoise. There is a useful chapter on assembled stones. The bibliography is of little value due to lack of specific paginations for referenced material. Rev *Lap J*, 37, 11, 1984, 1638; *G & G*, 20, 3, 1984, 178, 180.

4840. -----1984 Identifying man-made gems. London: NAG Press, 1984(?), 223 p, ill in b&w & col by E Gübelin. £ 14.95. Not seen; rev by R K Mitchell, *J Gemm*, 19, 3, 1984, 278-9.

4841. OEHMICHEN, H Die böhmischen Granatlagerstätten und die Edelsteinseife des Seufzergründels bei Hinterhennsdorf in Sachsen. *Zs Prakt Geol*, 8, 1900, 1-16. Not seen. Pyrope deposits in Bohemia and Saxony.

4842. OELSCHLAEGEL, HERBERT

Herbert Oelschlaegel | Secrétaire de la Fédération Internationale des Associations de l'Industrie, de l'Artisanat et du | Commerce des Diamants, Perles et Pierres Précieuses, de Bijouterie, Joaillerie, Orfèvrerie et | Horlogerie (B.I.B.O.A.) | [rule] | Dictionnaire Technique | des Métaux Précieux, des Pierres Fines, de la Bijouterie et de l'Horlogerie | [rule] | Trade Dictionary | of Precious Metals, Gemstones, Jewellery and Horological Products | [rule] | Fachwoerterbuch | des Edelmetall-, Edelstein-, Schmuckwaren- und Uhrenfaches | [rule] |...[similar titles in Ital, Sp, Port, Czech, Dutch, separated by rules]...| [rule] | N.V.Boek- en Kunstdrukkerij vh, Mouton & Co., La Haye [1939]

16°: [3], 8, [1 blank], [1]p + f 11-109 + [1]p + e 111-213, etc, the small letters designating the appropriate language; the dictionary ends with h 757, followed by p 758-773, [1]p + adverts 775-836, [1 blank]p. The simplified pagination is [3], 836 pages. Terra cotta cloth, cup orn on cover; same orn & lett

on spine. V pale gray endp. 19.3 x 13.3 cm(7 5/8 x 5 1/4 in). Cut. JSL. LC 40-13640.

Cont: tp; publ data; tab cont; introds in 8 languages; text tp; Fr sect, etc, to Dutch sect; translation key; advert tp; adverts; blank p.

Concise dictionaries of terms, with provisions for cross-referencing to equivalents in all the languages. Generally only peculiar terms are defined while those that are commonly used are not. In many instances, the desire to save space has led to inadequate definitions. A scarce work.

4843. OERTEL, or ÖRTEL, JOHANNES

Dissertatio | De | Margari- | Tis, | Quam | Assistente Maximo Jehova | In Inclyta & florentissima Argentinensium | Universitate | Sub | Praesido | Joh.Rvdolphi Saltz- | Manni, Philos. & Med. Doct. Philos. Na- | tur. Profess. & Facultatis Medicae | Assessoris, | Solenniter | Pro ingenii viribus defendere conabitur | Johannes Oertel / Argentinens. | Add. h.ly$_3$. cons. | [orn rule] | Argentorati, | Literis Jokannis Welperi. | [rule] | Anno M.DC.LXIX. [Strasbourg, France, 1669]

4°: [2], 46 p; pi, A-E^4, F^3. Ch orns, orn inits. 19.1 x 15.5 cm (7 1/2 x 6 in). Cropped. JSL.

Cont: tp; names list; pref; 11 chs; 19 odes to pearl, poems, and laudations of the author in Latin, Greek, French, German; finis.

University of Strasbourg doctoral dissertation under presidency of Saltzmann, the latter sometimes given as author. Possibly the first true monograph on the pearl, and if not that, certainly the first to treat the subject so thoroughly and with numerous references cited throughout. Cited authors include those writing on gemological subjects, the fine arts, and travels. Topics: etymologies of pearl names in various cultures, early views on the nature of pearls & their generation, with fables attached thereto, pearl imitations, pearl banks in various countries, position of pearl within mollusks, methods of pearling, classification of pearl-bearing shellfish into occidental & oriental types with remarks on color, size, shapes, and qualities & prices of pearls, uses of pearls in the arts, in medicine, and 12 medicinal preparations in which pearl is an ingredient. Despite the obvious value of this work it is strangely absent from many bibliographies possibly due to rarity. In my copy, the paper is uniformly browned but not brittle.

4844. OGDEN, JACK M Jewellery of the ancient world. London(?): Trefoil Books, 1982. Not seen.

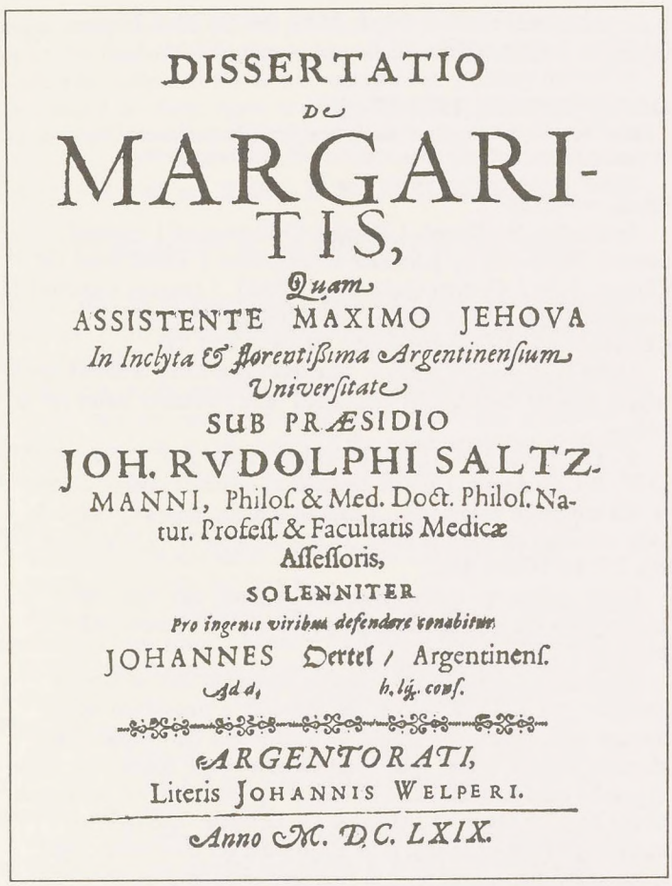
4845. -----1982, New York

Jewellery Of The Ancient World | Jack Ogden | Rizzoli | New York

P[4]: "Published... by Rizzoli International Publications, Inc...."

8°: [6], 185, [1 blank]p; 206 photos & line drawings; 42 col photos on 16 bound-in glossy f not includ in pag. Pale gray cloth-type paper over bds, gilt spine title. Black dj, col jewel on front with white title; white spine title; flap resume, vita, other publ bks. 24.5 x 25.3 cm(9 5/8 x 10 in). Cut. LC 82-60069; ISBN 0 8478 0444 5. JSL.

Cont: 1/2tp & photo; tp spread over 2p; publ data & dedic; tab cont; pref & ackn; 11 chs; biblio & abbrev, index to ill; blank p.


DISSERTATIO
DE
MARGARI-
TIS,
Quam
ASSISTENTE MAXIMO JEHOVA
In Inclyta & florentissima Argentinensium
Universitate
SUB PRÆSIDIO
JOH. RVDOLPHI SALTZ-
MANNI, Philos. & Med. Doct. Philos. Natur. Profess. & Facultatis Medicæ
Assessoris,
SOLENNITER
Pro ingenii viribus defendere conabitur
JOHANNES Oertel / Argentinens.
Add. h. ly. cons.
ARGENTORATI,
Literis JOHANNIS WELPERI.
Anno M. DC. LXIX.

4843. Oertel's doctoral dissertation on pearl in the University of Strasbourg and possibly the first true monograph on the subject

In many ways a remarkable and valuable work that appears to be the first to address itself entirely to the materials & technologies of ancient jewelry rather than laying great stress upon artistry, motifs, and the symbolism, as is so often the case in books that treat the same subject. Thus Ogden discusses ancient sources of materials and metals, trade routes, commerce in raw materials and finished products, metallurgy, metal fabrication techniques, tools & accessories, mineralogy & geology of gemstones, lapidary work, organic materials, glasses and other imitations, fakes, forgeries, and the problems of the jeweler in antiquity. All of it is handsomely illustrated although in places some illustrations are considerably removed from their textual references due to space problems. It is gratifying to note that Ch 5, 89-114, is devoted to gemstones, while Ch 6, 115-22, treats organic materials, and Ch 7, 123-36, glass, faience, and enamel. Ch 8, 137-42 is useful to the gemologist because it discusses ancient methods of imitating gemstones and the means by which some were altered or enhanced to increase value. Ch 9, 143-50 is on lapidary work, ranging from coarse treatments of large rock masses to the more delicate techniques employed in making small carvings, cabochons, and engraved gems. The following chapter also contains a few valuable notes on forgeries of engraved gems. The period covered is from the "beginnings of the Bronze Age to the end of the Roman Period." Regrettably there

is no index. Rev *G & G*, 19, 4, 1984, 249 by Neal Littsum. Ogden is founder of the Society of Jewellery Historians.

OGLE, GEORGE(1704-1746)

Brit litterateur; achieved considerable fame as translator of classical literature, accounting for so much of it being included in the following, DNB.

4846. -----1737

Antiquities Explained. | Being a Collection of | Figured Gems | Illustrated by | Similar Descriptions | Taken from the | Classics. | By | George Ogle, Esq; | Vol.I. | [engrav vignette] | London: | For Cl.Du Bosc, at the Golden Head in Charles-Street, | Covent-Garden. M.DCC.XXXVII.

There is an engrav 1/2tp of Minerva supporting a shield upon which appears "Antiquities Explained" and publisher information below.

4°: [2], xlviii, 188, [11], [1 blank]p; 1/2tp leaf + A-B^4, b-c^4, D-E^4, B-Cc^4; despite curious signatures, contents collate correctly. 50 bound-in engrav pls; 3 engrav text fig; engrav headpc & init; woodcut ch orns & inits. 28.4 x 23.4 cm(11 1/4 x 9 1/4 in). LC 16-10599. JSL.

Cont: 1/2tp; tp; dedic; pref; tab of gems; tab cont; pls explan(with pls inserted in appropriate places); names index; blank p.

Plagiarizes Lévesque De Gravelle *Recueil de Pierres Gravées Antiques*, vol 1, 1732, which see. Provides a translation of his meager text, much augmented by poetry and quotations from classical authors where such seem to have some connection with engraved gem subjects. The re-engravings are nearly exact copies of the first 50 plates of Lévesque De Gravelle. The only acknowledgement of source is in a footnote on p iv where Ogle states that "this collection was first published at Paris in 1732... it fell by accident into my hands." While these remarks suggest that Ogle obtained a set of casts, the close resemblances in the plates and in the very similar half-title engraving shows that he had the book in hand. Although indicated as the first volume it is actually all that was published. The "second" edition below is essentially the same. Du Bosc, the engraver, is not clearly credited in this edition but this is rectified in the edition below. Not noticed by Reinach nor Furtwängler; Mariette mentions only the second edition; neither mentioned by C W King; Goodland, 448.

4847. -----1741, "2nd" edit

Gemmae Antiquae Caelatae: | Or, A | Collection | Of | Gems, | Wherein are explained many Particulars relating to | the Fable and History, the Customs and Habits, | the Ceremonies and Exercises of the Ancients. | Taken from the Classics | By George Ogle, Esq; | Engraved by Cl.DuBosc. | The Second Edition. | [woodcut orn] | London: | Printed for Claude DuBosc, and William Darres, Booksellers the | Corner of the Hay-Market at the Three Flower de Lys. M.DCC.XLI.

4°: xlviii p + 50 engrav pls + 183, [11], [1 blank]p; same sig. The engrav 1/2tp omitted but other text figs & orns remain. JSL.

Internal evidence indicates that this "edition" is no more than an attempt to dispose of unsold sheets of the original printing by using a new titlepage, cancelling leaves which bore references to "Volume One" or "Volume the First," and substituting reset leaves in their places; thus cancels appear at C1, C3, Bb2, and Bb3. A woodcut tailpc now on p 188; Pl XIV is printed on thinner paper and bound-in in vertical rather than horizontal position. Cancel leaves heavier, whiter stock; one leaf bears a fleur-de-lis watermark. Described in P J Mariette, *Traité des Pierres Gravées*, 1, 336.

4848. OGLE, MARBURY BLADEN(1879-) Catalogue of casts of ancient and modern gems in the Billings Library, University of Vermont. 1915. [6], 152 p, 1 portr, biblio p [5-6]. *Metro Mus Cat*, New York, vols 9 & 16.

4849. OGUSHI, J Shinju no kenkyo [study of pearls]. Tokyo, 1938, 217 p, 72 fig. Not seen.

4850. O'HARA, M J & MERCY, E L P Eclogite, peridotite and pyrope from the Navajo country, Arizona and New Mexico. *Amer Min*, 51, 3/4, 1966, 336-52, 2 fig, 9 tab, 45 ref. JSL. Chemical & property data on pyropes and an olivine, with brief geological-mineralogical notes on this noted source of small gem quality pyrope nodules.

4851. OHLY, DIETER

Griechische Gemmen | Aufgenommen | Von Eva Maria Czako | Zusammengestellt | Und Beschrieben | Von | Dieter Ohly | Im Insel-Verlag [Wiesbaden, nd, ca 1963; Insel-Bücherei Nr. 612]

4°: [48]p; 27 photos. Gray-brown paper over bds, vertically patterned in white lines & white Greek-key bands; paper cover label, double red ruled border, corner stars, star rule; title in black; title also on small spine label with series number. 18 x 11.8 cm(7 1/8 x 4 5/8 in). Cut. DM 2.50. JSL.

Cont: logo; tp; dedic; photos; text tp; text; gems index; publ data.

Handsome small work on engraved gems, with excellent photos of the actual gems. The text is by Dr Ohly, of the German Archeological Institute in Athens, and provides brief remarks on the history of gem engraving, styles, subjects, cutting, and following which an index which identifies each gem according to material, culture, age, and dimensions.

4852. OHLY, FRIEDRICH Tau und Perle. Ein Vortrag. *Festchrift für Ingeborg Schröbler zum 65.Geburtstag*. Herausgegeben von Dietrich Schmidtke- Helga Schüppert, Tübingen, 1973, p 406-23. Not seen, from C Meier, 536.

4853. -----1974 Die Geburt der Perle aus dem Blitz. Studien und Interpretationen. Festschrift für Blanka Horacek. Herausgegeben von Alfred Ebenbauer- Fritz Peter Knapp - Peter Krämer. *Philologica Germanica* 1, Wien-Stuttgart, 1974 263-78. Not seen, from C Meier 535.

4854. -----1976

Diamant Und Bocksblut | Zur Traditions- und Auslegungsgeschichte | eines Naturvorgangs | von der Antike bis in die Moderne | von | Friedrich Ohly | [rule] | Erich Schmidt Verlag [Berlin, 1976]

8°: 135, [1 advert]p. Stiff, white glossy wrap, cover photo with title; spine title; back cover resume. 23 x 15.5 cm(9 x 6 1/8 in). Cut. DM 38.- ISBN 3-503-01253-2. JSL.

Cont: logo; tp; publ data; tab cont; fwd; 7 chs; remarks; indexes; advert.

Detailed, scholarly study of the legend that goat's blood softens diamond, that the metal lead acts in the same fashion, that diamond vanquishes enemies, etc. Ohly traces such beliefs to the period between Pliny and Isidore of Seville, and further traces the legends into modern times. In the process, he examines and via footnotes generously cites from several hundreds of sources, including practically every important work that was published on gems and precious stones or from manuscripts treating the same field. The print used in the present work is small thus the modest number of pages does not adequately convey the true scope and amount of information contained therein.

4855. OKE, A LIVINGSTONE. Notes on diamond prospecting, Gold Coast Colony. *Trans Inst Min Met*, London, 35, 1926, 140-51, figs 26-30, discussion 151-4.

O'KEEFE, JOHN ALOYSIUS(1916-)

B Lynn, MA; AB Harvard U 1937, PhD U Chicao 1941; spec math, astron; prof Brenau Coll; duties in US Govt; NASA astronomer 1958-; researches on moon, tektites, variable stars.

4856. -----1963

Tektites | Edited by John A.O'Keefe | [logo, left] Chicago & London | Press [1963] | The University Of Chicago Press [1963]

16°: xii, 228 p; 22 tip-in photo pls; 49 fig; 51 tab. Dk blue cloth, silver lett & logo on spine. Col dj, tektite & globe on front; resume, vita, other bks on flaps & back. 24 x 17.2 cm(9 1/2 x 6 3/4 in). Cut. $10.95. LC 63-13070. JSL.

Cont: 1/2tp; contrib list; tp; publ data; fwd; tab cont; 9 chs; index of names; subj index.

A compilation as follows: George Baker, Form and sculpture of tektites; Virgil E Barnes, Tektite strewn-fields; E C T Chao, Petrographic and chemical characteristics of tektites; C C Schnetzler & W H Pinson, Jr, Chemical composition of tektites; Irving Friedman, Physical properties and gas content of tektites; J Zähringer, Isotopes in tektites; Ernst W Adams, Aerodynamic analysis of tektites and their hypothetical parent bodies; John A O'Keefe, Origin of tektites; and Alvin J Cohen, Asteroid- or comet-impact hypothesis of tektite origin: the moldavite strewn-fields. Each ends with a list of references; especially interesting to gemologists are articles on strewn-fields for the sake of their locality information and the article on morphologies by Baker. There are many fine photographs of external features and inclusions.

4856A. -----1976

Developments in Petrology 4 | Tektites And Their Origin | John A. O'Keefe | Theoretical Studies Group, NASA Goddard Space Flight Center, | Greenbelt, Maryland, U.S.A. | [logo] | Elsevier Scientific Publishing Company | Amsterdam- Oxford - New York 1976

8°: XII, 254, [2 blank]p; 44 fig, Dull red cloth, gilt spine title; col dj, resume, vita, other bks in series, 24.3 x 16.5 cm(9 5/8 x 6 1/2 in). Cut. ISBN 0-444-41350-2,

Cont: 1/2tp; other bks in series; tp; publ data; pref; ackn; tab cont; 10 chs; refs(over 600, p 207-32); name index; subj index; blank f.

Excellent, comprehensive review of history of tektites, early knowledge and lore, history of studies, controversies concerning origin, compositions, strewn fields, forms, and many other topics. By far the finest summary available on the subject with much information useful to the collector and lapidary as well as the scientist on those types of tektites that have been worked into useful and ornamental objects from antiquity to the present.

OKRUSCH, M, see BANK, H & OKRUSCH, 1967, 1976

OLCOTT, GEORGE N, see TIFFANY & CO, 1902

4857. OLDEN, CHARLES Emeralds: their mode of occurrence and methods of mining and extraction in Colombia. *Trans Inst Min Met*, London, 21, 1912, 193-209, Pls VIII-X. JSL. Locates the mines, remarks on history, geography, geology, type deposits, occurrences of emeralds, mining methods, extraction & grading, and with good photos of the mine workings at Muzo. One of the early reliable eyewitness accounts.

4858. OLDENBURGISCHEN INDUSTRIE= UND HANDELSKAMMER FÜR DEN LANDESTEIL BIRKENFELD IN IDAR

Festschrift | Anlässlich Der | ....27.Tagung.... | Des | Reichsverbandes Deutscher | Juveliere, | Gold= Und Silberschmiede | In | Idar=Oberstein | Vom 17.-20. September 1928 | [orn] | Herausgegeben Von Der Oldenburgischen Industrie= | Und Handelskammer Für Den Landesteil Birkenfeld | In Idar

Silk cord fastened: 59, [1]p; 23 photos on 9 glossy pls. 23.7 x 17.7 cm (9 3/8 x 7 in). Cut. USGS Kunz Coll. Cont: tp; greeting ltrs; text.

A series of articles, almost all historical, on the development of the lapidary & jewelry industries in Idar-Oberstein, Germany: Ernst Falz, Idar-Oberstein Schmuckstein-Industrie, 7-25; O Holstein, Einiges über die Diamantschleiferei als solche, die Diamantschleiferei Idars und die derseitige Diamantbearbeitungsweise, 26-31; Paul Leyser, Die Perle, 32-7; Hermann Wild, Ueber das Wesen der synthetischen Edelsteine, 38-9; P Keuter, Die Entwickelungsgeschichte der Obersteiner Industrie, 29-45; A Brill, Geologie des Idar-Obersteiner Industriegebiets, 46-51; Alfred Loch, Kurzer Überblick über die geschichtlichen Verhältnisse des Achatschleifereibezirks der oberen Nahe, 52-6; H Reichelt, De Aufbau und die Bedeutung der Idarer Edelstein-Industrie, 57-[60].

4859. O'LEARY, BARRIE(1940-)

A Field Guide To | Australian | Opals | Barrie O'Leary | [logo] [Adelaide: Rigby Limited, 1977]

8°: 159, [1 blank]p; 126 col photos; 4 fig; 1 col diagr; 1 chart; 11 maps(8 part-tinted, some doublep). Green-blue cloth-type paper over bds; white spine title; dk turquoise endp; black dj, col photo of opal rough on cover; spine title; resume, vita, author portr on flaps. 18.4 x 12.8 cm (7 1/4 x 5 in). Cut. ISBN 0 7270 0387 9. JSL.

Cont: 1/2tp; tp; publ data & dedic; tab cont; ackn; fwd; text; appends; index; blank p.

The author, a graduate geologist and proprietor of an opal-mining consultants group, writes lucidly about Australian opals in general, the history of opal discoveries and exploitations in the several Australian states up to the present, with much of the early information gleaned from Wollaston's *Opal: the gem of the Never Never*, which see, and other sources which for the most

part are unidentified. A chapter treats nomenclature of the numerous varieties of opal, all illustrated with color photographs of typical cabochons and rough. The author lists no less than twelve sub-varieties under "harlequin" opal and 35 others from the Mexican-derived term "abanderada" to "twinkle!" The illustrations are good as a whole. Other chapters discuss cause of color play in accordance with earlier theories and are compared to the currently-held theory, the Queensland opal fields, the black opal, mining methods, and an evaluation system based on formulas and claiming to provide standardization in pricing. A last chapter describes opalized fossil, wood, and mineral replacements. The appendices consider a "color wheel," comments on opal fine structure,and give a geological time chart and detailed field maps. Despite the author's geological training he offers very few remarks on the geology & mineralogy of the deposits. He hints at undiscovered fields but gives no advice on how these may be located. There is no bibliography. Rev *Austral Gemm*, 13, 7, 1978, 242-3,

4859A. -----1984, "Second Edition," new publisher; apparently only a reprinting, adding to the titlepage the name and address of the new publisher by means of a self-adhesive label in blue ink, reading "Gemcraft Pty. Ltd. 1 291-293 Wattletree Road, | E.Malvern, Vic., 3145 | Australia | Telephone (03) 509 1666," which covers the logo of the original publisher.

4860. OLES, FLOYD & OLES, HELGA

Eastern Gem Trails | A guide to the most attractive and | productive gem and mineral | collecting areas of | central-eastern | United States | By Floyd and Helga Oles | [logo] | Price $2.00 | Published By | Gembooks | Mentone, California 92359 | Copyright © 1967 by Gembooks

Centerstapled: 80 p; 7 photos, sketch map, sketch. Stiff paper wrap, cover photo, other publ bks back cover; note to readers inside front 20.9 x 13.6 cm(8 1/4 x 5 3/8 in). Cut. JSL.

Localities in New Jersey, Maryland, District of Columbia, Virginia, North Carolina to find diopside, williamsite, quartz, ruby & sapphire, rhodolite, moonstone, prehnite, and others.

OLIVEIRA PINHEIRO, S DE, see MARENS DE MOURA, O J, et al

4861. OLLERENSHAW, ARTHUR E & R J HARRISON & D HARRISON

The History of | Blue John Stone | Methods of Mining and Working | Ancient and Modern | by | Arthur E.Ollerenshaw | (Proprietor - Blue John Caverns and Blue John Mine) | and | Messrs.R.J. and D.Harrison | (Proprietors - Speedwell Cavern) | (Working specialists in Blue John Stone) | Castleton via Sheffield | Contents |... [12 lines] [Castleton: priv publ, nd, 1950?]

Centerstapled: 23, [1]p; 6 fig(map); 4 col photos on doubleleaf glossy centerspread, not includ in pag. White glossy wrap, color photo & blue lett on cover; col photo inside back cover; adverts outside back cover in blue. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: tp & tab cont; introd; text; concl; places exhibiting finished pieces of blue john; publ data & ackn.

Handsome brochure sold at the caves to explain the nature of the massive blue john variety of banded fluorite and its uses in ornament. Treats localities, geology, mineralogy, history from Roman times to present, blue john veins, mining methods, traditional lapidary work, modern methods, and designing objects from this material and some famous examples. The matter on manufacture of objects is particularly valuable. Centerfold photos of tazzas, urns, columns, and a large table. The photo on inside back cover is of a six-panel window resembling stained glass work.

4862. OLSEN, DONALD R Origin of topaz deposits near Ouro Preto, Minas Gerais, Brazil. *Econ Geol*, 66, 1971, 627-31, 3 fig. Short but important study of the deposits yielding the classic precious topaz of Brazil. Topaz, specularite, euclase were deposited hydrothermally in phyllite and due to weathering now are found in kaolinite pods along with feldspar, quartz and muscovite.

4863. OLSON, DAVID F

Stone Grinding | & Polishing | make your own gems | by David F.Olson | [Photo to left; underneath:] Little | Craft Book Series | [to right:] [logo] Sterling | Publishing Co., Inc. New York | [logo] Oak Tree Press Co., Ltd. | London & Sydney | Saunders Of Toronto, Ltd., Don Mills, Canada [1973]

P[4]: "Translated by David F.Olson... the original edition... published in Sweden under the title "Slipa Stenar"... 1971 by ICA-Förlager AB, Västerås, Sweden."

Edgesewn: 48 p; 33 ill(4 in col). Col plasticized paper over bds; col photo of gems on cover with purple & black lett; back cover resume illust. 18.5 x 18.4 cm(7 1/4 x 7 1/4 in). Cut. $4.95; £ 1.20. LC 73-83453; ISBN 0-8069-5286-5, 0-8069-5287-3; UK 7061-2467-7. JSL.

Cont: 1/2tp; tp; other bks in series & publ data; metric coversions & tab cont; 8 chs; suppliers; biblio(p 47, 14 entries); index.

Elementary instructions stressing home-made equipment with suitable diagrams showing construction details for a cabochon-maker, tumbler, faceting machines(including traditional jambpeg). Fairly detailed instructions for faceting, somewhat less so for cabochon work. Fair color plates of cut and rough gemstones.

4864. OLSHAUSEN, O Der alte Bernsteinhandel der cimbrischen Halbinsel und seine Beziehungen zu den Goldfunden. *Verh d Berliner Ges f Anthropol*, 22, 1890, 270-300, 1891; Zweite Mitteilung über den Bernsteinhandel und die Goldfunde, ibid, 1891, 286-319, 1892. Not seen, from G R v Bock, 178.

4865. OMAN, CHARLES CHICHELE(1901-)

Victoria And Albert Museum | Department Of Metalwork | Catalogue Of Rings | By C.C.Oman, M.A. | London | Published Under The Authority Of | The Board Of Education | 1930

8°: xvi, 154, [1], [1 blank]p + 39 photo pls on 20 bound-in glossy f + [2], [2 blank] p on 2 bound-in glossy f; also a photo front glossy pl tip-in; 2 text fig. Pale gray wrap, cover & spine title; other bks inside back cover. 24.8 x 18.8 cm(9 3/4 x 7 3/8 in). Cut. Also in dk red cloth, double-rule blind frame on cover enclosing gold title; gold title on spine. Pale tan endp. 24.8 x 18.5 cm(9 3/4 x 7 1/4 in). Cut. Paper 9s, cloth 10s.

Cont: front; tp; publ data; pref; hist & arrangement of collection; tab cont; pls list; abbrev(biblio, p xv-xvi, 17 entries);

introd; cat; addenda; numerical index; index; pls tp; pls; advert; print data; blank f.

A much sought for authoritative work describing many rings in wide variety in the catalog but also a masterful preliminary sketch of the most important facts about finger rings: development of ring-wearing, types of rings, materials used, official rings, secular rings, etc. The two-part catalog treats first ancient rings and then early Christian and post-classical rings. Gemstones and engraved gems figure prominently in many examples. The plates, of good quality, may depict as many as a dozen rings per plate.

4866. -----1974 British Rings, 800-1914. London: Batsford; USA Totawa, NJ: Rowman and Littlefield, 1974. x, 146 p, 96 p of ill; 4 col pls. Not seen: Arntzen, P606.

OMAN, C C , see STEINGRÄBER, E, 1968

4867. O'NEIL, PAUL, and others

Planet Earth | [rule] | Gemstones | By Paul O'Neil | and The Editors of Time-Life Books | Time-Life Books, Alexandria, Virginia [1983]

Cementb: 176 p; ca 150 col photos; 22 tinted drawings; 23 b&w photos. Black, leather-type paper over bds; blind rules red planet & white lett on cover & spine, with paste-on col photo on front cover(red tourmaline crystal in matrix). Bluish-gray endp, vertically ruled in darker tint. 27.5 x 22.8 cm(10 7/8 x 9 in). Cut. LC 83-602; ISBN 0-8094-4500-X. $12.95.

Cont: 1/2tp; other series bks; tp; publ data, author & consultants vitas; tab cont; text; ackn; biblio(p 172-3, 95 bks, ca 35 period articles); picture credits; index.

Typically for this series, a very handsome, beautifully illustrated popular treatment of major aspects of the culture associated with gems as well as scientific gemology, but with the emphasis on the human aspects. The text consists of five chapters, among which are interspersed six essays or pictorialized-textual explanations of such special features of gemstones as their natural forms, inclusions in crystals, origins, mining emeralds in Colombia, diamond mining, and some remarkable masterpieces of lapidary art. Not much new material is to be found in the text but it is presented in an interesting and appealing fashion with much attention paid to accuracy. O'NEILL, J J, see STRONG, H T

4868. OPIFICIUS, RUTH; BERGER-HAAS, CHARLOTTE & PERRY, RITA

Geschnittene Steine | Der Antike | Roll- Und Stempelsiegel Vorderasiens | Mesopotamien - Persien - Syrien | 4.- 1.Jahrtausend v.C. | Minoische Und Mykenische Siegel | 2.Jahrtausend v.C. | Etruskische Skarabäen | 5.-3. Jahrhundert v.C. | Griechische Und Römische Gemmen Und Kameen | [photo vignette, coin] Münzen Und Medaillen A.G. | Monnaies Et Médailles S.A. | CH-4002 Basel/Schweiz | Malzgasse 25 Telephon (061) 23 75 44 Postcheckkonto 40-9249 | Cable address: Monnaies Basel [1968]

P[2]: "Den Text... haben verfasst: Fräulein Dr.Ruth Opificius (Nr. 1-85), Frau Dr.Charlotte Berger-Haas (Nr.86-103) und Frau Rita Perry M.A. (Gesamtredaktion, Nr. 104-183)."

Centerstapled: 70, [2 blank]p; 19 mostly fullp photos of 183 objects. Black wrap, gem & white title on cover. 23.4 x 16.6 cm(9 1/4 x 6 1/2 in). Cut. JSL.

Cont: tp; credits & statement of authenticity; biblio(p 3, 40 entries); catalog; blank f.

Elaborate, highly-detailed and well-illustrated sales catalog offering 183 specimens of genuine cylinder and stamp seals attributed to Near Eastern and Mediterranean cultures, Etruscan scarabs, and Greek and Roman engraved gems. Priced. Valuable record.

4869. OPFEL, A Die altmexikanische Mosaiken. *Globus*, 1896, 70, 1, 4-19, not seen.

4870. OPPENHEIM, VICTOR Republica dos Estados Unidos do Brasil, Departamento Nacional da Producção Mineral, *Serviço de Fomento da Producção Mineral Avulso* 9, Sedimentos diamantiferos do Paraná... Rio de Janeiro, Directoria de Estatistica da Producção, Secção de Publicidade [1936]. 3 p. f, 14, [1] p, incl tab, diagr, vii pls on 4 f; fold map. 23 cm. Not seen, from GS 37-183.

OPPENHEIM, V see MORAES, LD de, 1934

OPPENHEIMER, E see GREGORY, T, also JESSUP, EDWARD

4870A. OPPENHEIMER, E & WILLIAMS, A F Diamond deposits of German South West Africa. Kimberley: Diamond Fields Advertizer Ltd, 1914, 58 p. Not seen, in PJ Hugo et al 2327.

4871. OPTIMA Old Kimberley. No 3, 1969, 18 p, ill, Not seen.

4872. ORANGE RIVER COLONY Diamond mining in the Orange River Colony. *Orange River Colony, Mines Department, Ann Rept for 1905*, Bloemfontein, 1905, 31 p. Not seen.

d'ORBIGNY, CHARLES DESSALINES (1806-1876) & GENTE, A

D'Orbigny b Coueron, Fr, brother to distinguished geol Alcide D.; wrote several works in geology but his most important was *Dictionnaire Universel d'Histoire Naturelle*, Paris, 1841-9, 16 vols.

4873. -----1851

Géologie | Appliquée | Aux Arts Et L'Agriculture, | Comprenant L'Ensemble Des Révolutions Du Globe; | Ouvrage orné de vignettes intercalées dans le texte, et d'un tableau | gravé sur acier, représentant, par ordre chronologique, | les terrains stratifiés et les principaux fossiles qui les caractérisent; | Suivi D'Un Vocabulaire |...| Par MM.C.D.Orbigny Et A.Gente, |...| Paris, | Chez M.A.Gente, Rue Saint-Honore, 45. | Et Chez Les Principaux Libraires. | [rule] | 1851

8°: [4], 534, [1], [1 blank]p; 10 text wood engravs; 5 tabs; fold steel-engrav chart geol formations with typical flora & fauna on thick paper, ca 62 x 42 cm(25 x 16 in) tip-in at end. Pale tan printed wrap. 22.5 x 14 cm(8 7/8 x 5 1/2 in). Uncut, unopened. Dewalque 1532; Pogg 2, 330-1. JSL.

Cont: 1/2tp; tp; pref; 17 chs in 3 pts; gloss; tab cont; errata; chart.

Economic geology in the arts and in agriculture, the first part of the text dealing with general geology, the second economic geology in relation to the arts, and the last in relation to

agriculture. Ch 3 in the second part contains useful material on gemstones: amber, p 275-6, common species and varieties, 292-301, the more valuable gemstones as diamond, corundum, spinel, topaz, beryl, opal, etc, 301-23. All treatments are short; there is a good discussion of Brazilian diamonds on p 301-14.

4874. -----1855, new edit

Géologie | Appliquée |...| Nouvelle Édition | Par M.Charles D'Orbigny |...| Et M.A.Gente |...| Paris | Ches M.Charles D'Orbigny, Au Jardin Des Plantes | Et Chez Les Principaux Libraires. | [rule] | 1855

All paper whiter, better quality; fold chart now colored in the stratigraphic column. Price 8 Fr; col chart alone 2 Fr. JSL.

4875. -----1852, Ger edit Die Geologie in ihrer Aufwendung auf Künste, Gewerbe und Ackerbau. Nach dem Französichen von C.d'Orbigny und A.Gente deutsche bearb. von C.Hartmann. Leipzig: Baumgärtner, 1852, XII, 404 p, 1 fold engrav pl + 10 wood engrav at end of text; 39 p gloss. Not seen, from a bookseller's catalog of Jan 1973.

4876. O'REILLY, R Sur la pêche des perles aux Indes Orientales, et particulièrement dans l'ile de Ceylan. Extrait de R.O'Reilly. *Ann des Arts et Manufactures*, IV, 1800, 20 p. Not seen, from a bookseller's catalog of Mar 1973.

4877. ORIENTAL CERAMIC SOCIETY

The Oriental Ceramic Society | Patroness: | Her Majesty Queen Mary | President: | Sir Alan Barlow, Bart., G.C.B., K.B.E. | [taper rule] | Exhibition Of | Chinese Jades | [taper rule] | Exhibition Committee: | R.C. Bruce, Esq. (Chairman) | Dr.T.K.Cheng | Basil Gray, Esq. | S.Howard Hansford, Esq. | [star] | The exhibition will be open to members only from April 14th to April 20th | and to the public from April 21st to June 9th | from 10 a.m. to 5 p.m., Saturdays 10 a.m. to 1 p.m. | at 48 Davies Street W.1 [London: 1948(date from dj); priv publ]

4°: 17, [1]p; 24 photos on 6 f. Tan, moire cloth, pale brown lett spine. Pale gray & white dj, jade photo on front. 27.8 x 21 cm(10 7/8 x 8 1/4 in). Cut. JSL.

Cont:1/2tp; print data; tp; introd; chrono tab; exhibits; pls list; pls.

In the introduction, Hansford gives a survey of Chinese jade from raw material to finished pieces and their uses or meanings. The plates of single or multiple groupings of objects depict many splendid examples in the collections of society members and include modern as well as antique to archaic jades. G M Born, 265; Yang 1752.

ORIENTAL CERAMIC SOCIETY Chinese Jade Throughout the Ages, see RAWSON, J & AYERS, J

4878. ORILIA, ENRICO

Manuali Hoepli | [rule] | Enrico Orilia | [rule] | La | Madreperla | E Il Suo Uso | Nell'Industria E Nelle Arti | [rule] | Con 40 Incisioni E 4 Tavole | [logo] | Ulrico Hoepli | Editore Libraio Della Real Casa | Milano | [rule] | 1908 [title in red & black]

12°: VIII(first 2 p blank), 258, [1], [1 blank]p + 64 p publ cat of bks; 40 fig (many on 31 tip-in glossy f). Dk green cloth, gold title & logo on cover; gold title & rules on spine; front cover additionally decorated with 2 horizontal bands consisting of extremely thin inlays, 6 mm wide, of actual mother-of-pearl! Tan endp in Hoepli logo pattern. 14.8 x 10 cm(5 3/4 x 3 7/8 in). Cut. USGS Kunz Coll, GS 34-268.

Cont: blank f; 1/2tp; tp; publ data; tab cont; pref; 6 chs; errata; blank p; publ catalog.

A remarkable, very detailed work on mother-of-pearl written primarily for the benefit of apprentices in the shell-manufacturing industries of Italy but also appealing to the general public. Describes the pearly mollusks, their natural history, properties of nacre, sources, occurrences of pearls, and commerce in nacre. Chapter 3 is on methods of working up the shell into ordinary objects while Ch 4 describes a series of special and more complicated projects utilizing nacre. Next, in Ch 5, is an excellent discussion of the carving of cameos from shell, usually from banded types that are non-nacreous. The last chapter suggests a course of instruction and spells out curricula for systematic instruction in the necessary skills.

ORLEANS, DUC D', see CATALOGUE DES PIERRES GRAVÉES DE DUC D'ORLEANS; see also JACOBI, J G

4879. ORLOV, YURII or IURII, LEONIDOVICH

Singeneticheskie i epigeneticheskie vkliucheniya v kristallakh almaza. *Trudy Min Muz Akad Nauk SSSR*, vyp 10, Moskva, 1959, 103-20, 7 fig. JSL. Syngenetic & epigenetic inclusions in Siberian diamond crystals: olivine, garnet, chrome spinel, diamond, graphite, serpentine, quartz, iron. Biblio p 120, 18 entries. *Min Abstr*, 14, 7, 1960, 488.

4880. ORLOV, YU L & AFANASEVA, E A O proiskhozdeny almazov I and II tipov i prichinakh otlichiya ikh fizicheskikh svoyst. *Trudy Min Mus Akad Nauk SSSR*, vyp 17, 1966, 195-18, 12 fig, 2 tab. JSL. Investigates physical properties Type I and II diamonds. Biblio p 117-8, 32 entries.

4881. ORLOV, YU L

Akademiya Nauk SSSR | Mineralogicheskiy | Muzey | Im. A.E.Fersmana | [vertical rule; on same levels as above and to the right:] | Y.L.Orlov | Mineralogiya | Almaza | [logo] | Izdatelstvo "Nauka" • Moskva 1973

8°: 221, [3]p; 85 fig; 26 tab; small crystal drawings serving as ch orns. Bright blue cloth, silver lett & rules on cover with greenish-blue diamond crystal; silver spine title. 23.7 x 16.7 cm(9 3/8 x 6 5/8 in). Cut. 1 r 82 k. 2,100 copies. JSL.

Cont: tp; resume & publ data; pref; 10 chs; biblio(p 206-22), 277 entries in Russ, 393 other); tab cont; publ data.

Major monograph on the mineralogy of diamond in all its varieties. Begins with a discussion of the distinct types of diamond, including those considered "normal," and those forming aggregates as ballas and carbonado, all of which are profusely illustrated in photographs and drawings. Other chapters take up the diamond structure, chemical composition & contents of trace elements and impurities, structural defects and probable growth processes as indicated by external & internal features of crystals, morphology of crystals in an unusually large and lavishly illustrated chapter (5), physical properties, occurrences & parageneses, phase diagrams & synthesis, and the magmatic environment. Outstanding feature: large number of crystal illustrations including photos and drawings; aside from the similar illustrations in Fersman & Goldschmidt *Der Diamant*, which see, the

largest recent assemblage of such illustrations. The bibliography appears to be the largest so far assembled of the technical and scientific references to diamond but no paginations are given for monographs and only initial pages for articles. Rev *Min Rec*, 9, 6, 1978, 383.

4882. -----1977, Engl transl

The Mineralogy of the Diamond | Yu.L.Orlov | A Wiley-Interscience Publication | John Wiley & Sons, New York · Chichester · Brisbane · Toronto [1977]

16°: x, [1], [1 blank], 235, [9 blank]p; 84 fig; 26 tab; 10 ch orns (sketches). Dk blue cloth-type paper over bds. Blue & white dj, resume, vita. $28.50. LC 77-12633; ISBN 0-471-01869-4. JSL.

Cont: 1/2tp; tp; publ data; pref; pref to Engl edit; tab cont; 10 chs; biblio(p 209-31, ca 770 entries); index; 9 blank p.

Fundamentally same as the 1973 Russian original but in the intervening years Orlov was able to incorporate considerable new material and also almost entirely re-write Ch 10 on the genesis of the diamond. An attractive work despite the illustrations apparently having been made by re-photographing those in the Russian edition which are darker and sharper.

4883. -----1984, 2nd Russ edit

Akademiya Nauk SSSR | Mineralogicheskie Muzey Im A.E.Fersmana | Yu.L. Orlov | Mineralogiya | Almaza | Izdanie 2-e | Otvetstvennye redaktor | Doktor Geol.-Min.Nauk | G.P.Barsanov | [logo] | [rule] | Izdatelstvo "Nauka" | Moskva, 1984 G.

16°: 263, [1]p; 84 fig; 26 tab. Glossy white paper, blue lett, photos both covers, over bds; back cover resume. 21.5 x 14.2 cm(8 1/2 x 5 1/2 in). Cut. 2 r, 90 k. 1400 copies. JSL.

Cont: tp; resume; pref this edit; pref; text; biblio(p 240-22, over 600 entries, ca 1/2 in Russ); tab cont & publ data; loose errata slip.

4884. ORLOV, YU L; IVANKIN, P F & KAMINSKIY, F V, editors. Kompleksnyye issledovaniya almazov [combined studies on diamond]. *Trudy Tsentral'nyy Nauchno-Issledovatel'skiy Geologorazvedochnyy Institut Tsvetnykh i Blago- rodnykh) Metallov "TSNIGRI,"* no 153, 1980, 115 p. Not seen.

4885. ORPEN, ADELA ELIZABETH RICHARDS, or Mrs GODDARD ORPEN, also Mrs G H ORPEN

Stories About | Famous Precious Stones | By | Mrs.Goddard Orpen | Illustrated | Boston | D [sic] Lothrop Company | Washington Street Opposite Bromfield [1890]

8°: 286, [6 blank]p, p [1-2] blank; 4 tip-in pls includ in pag; 13 wood engrav. Pl for p 95 misbound facing p 82; misnumbering between p 94-7, with p [95-6] omitted but leaf is nevertheless present and the text is uninterrupted. Dk yellow-green cloth, gold title & rule on cover & spine. 17.8 x 11.7 cm(7 x 4 5/8 in). Cut. LC 8-37254. JSL.

Cont: blank f; tp; publ data; tab cont; ill list; 12 chs; 3 blank f.

An excellent work furnishing interesting details on the histories of the Regent, Orloff, La Pelegrina(a large pearl), Koh-I-Nur, French Blue, Braganza(perhaps not a diamond), Black Prince's Ruby(spinel), the Sanci [sic], Great Mogul, Austrian Yellow, Marie Antoinette necklace, Tara Brooch & the Bell of St Patrick's Shrine, the last two items being treated together in Ch 12. The Tara Brooch is an early jeweled Celtic piece made from white metal and covered with gold traceries while the jeweled bell, supposedly an authentic relic of the famous Irish saint, is in the Royal Irish Academy as is the brooch. Orpen's work has always enjoyed a high reputation for accuracy and interest and is commonly quoted in works dealing with famous diamonds.

ORPHEUS, Pseudonym, fl 4th C AD?

The fabled Orpheus lived in Thrace about 1200 BC, according to Greek legend, and was revered as a poet, musician, inventor, and traveler. Under this pseudonym appeared the *Lithica* of which Thorndike, *History of Magic*, 1, 293 states "among poems of some length extant under Orpheus' name the one of most interest to us is the Lithica, where in 770 lines the virtues of some thirty gems are set forth with considerable allusion to magic. The authorship is uncertain, but the verse is supposed to follow the prose treatise by Damigeron who lived in the second century B.C. The date of the poem is now generally fixed in the fourth century of our era." In C C Leonhard, J H Kopp & C L Gaertner's *Propadeutik der Mineralogie*, 1817, 232, which see, we read "the ancient poet Orpheus has ascribed to him a still extant poem with the title: [*Lithika*, in Greek characters] or about stones. It consists of 768 verses. Obviously the content shows that Orpheus who flourished about 1255 B.C, could not have been the composer. In the poem are advanced the medicinal and chirurgical powers of many stones, which not once were known to Theophrastus, Dioscorides, Pliny and Galen. In short, from the content, the form, the viewpoint, and the style of this poem, it is most apparent that the composer could only have lived long after the birth of Christ and before the Emperor Constantine and not long after Emperor Valentine." In respect to editions, they give "the principal editions are: Venet.1517.8. - Lodii. 1576.4. - Traj.ad Rhen.1614.4. and 1689.12. - Lips. 1764.8. - Lond. 1781. 8. One of the most recent editions is that of G.Hermann. Lips, 1805.8." These and other editions are noted below.

4886. -----1517, Venice, first edit At top of title are 5 lines in Greek and immediately below the same in Latin:

Musei opusculum De Herone | & Leandro | Orphei argonautici. | Eiusdem hymni. | Orpheus de lapidibus.

Below appears the very large and dominant anchor logo of Aldus Manutius, with a stylized dolphin twined about the anchor shank, and "AL" to left and "DVS" to right. The same logo appears after the colophon, the latter reading "Venetiis In Aedibus Al | Di Et Andeae Soceri | Mense Novembri | M.D.XVII. | a b c d e f g h i k omnes quaterniones."

8°: 80 f; a-k^{8}; two text woodcuts. 15.6 x 9 cm(6 1/8 x 3 5/8 in).Cropped.

Cont: tp; epitaph; comment; text; colophon at foot of 80 f recto and Aldine mark verso.

Text in Greek verso, Latin recto. The *Peri lithon* or *De lapidibus* appears on f 65-30. According to Thorndike, ibid, 294 "the *Lithica* opens by representing Hermes bestowing upon mankind the precious lore of the marvelous virtues of gems... after this introduction... the virtues of the individual stones are described, first in the words of Theodamas, a wise and divine man whom the author meets on his way to perform annual sacrifice at an altar of the Sun... the virtues of a number of gems are attributed to Apollo rather than Hermes; and there are allusions to Greek mythology and the Trojan war. Some gems are found in animals, for instance, in the viper or the brain of the stag." Thorndike then examines some of the stones and the magical powers attributed to them, p 294-7. He also notes Abel's reproduction of the Greek text, see below, and the translation by C W King in *The Natural History, Ancient and Modern, of Precious Stones and Gems and of Precious Metals*, 1865, which see, and which Thorndike considers to be "a rather too free English verse translation." See also the comments of F D Adams, *The Birth and*

Development of the Geological Sciences, p 28-32. Brit Mus STC, *Ital Bks*, 457; Brunet 3, 1957. Dibdin, *Greek and Latin Classics*, 2, 239.

4887. -----1517, Florence; not seen

4888. -----1566, Paris, Henri Estienne; not seen

4889. -----1576, Leodii(Liège) Orpheus antiquissimus et optimus poëta, Philosophus Trismegistus, de Lapidibus, nunc demem Latio iure donatus, M.Hannardo Gamerio Poëta laureato interprete. Accesserunt eiusdem Hannardi scholis, quae et rei medicae studiosis utilia iucundaque futura sunt, et quae quibusdam locis obscurioribus plurimum lucis adferant. Accesit praeterea argumentum in Orphei libellum (Demetrii Moschi) Renato Perdrierio interprete. Leodii ex officina Gualteri Morberii, 1576, 4°. Not seen; from p xiv-xv, pref, Gesner edit, 1764, which see.

4890. -----1614, Utrecht; not seen

4891. -----1689, Utrecht

[Orpheos] | [Argonautika Ymnoi] | [Kai Peri Lithon] | Orphei | Argonautica Hymni | Et De Lapidibus | Curante | Andrea Christiano Eschenbachio | Norimbergense | Cum ejusdem ad Argonautica Notis & Emendationibus. | Accedunt | Henrici Stephani | in omnia & | Josephi Scaligeri | in Hymnos | Notae. | [woodcut orn] | Trajecti ad Rhenum. | [rule] | Apud Guilielmum vande Water. | CIↃ IↃ CLXXXIX. [first 3 lines in Greek; Utrecht]

12°: 329, [1 blank]p; $*^{12}$, $**^{2}$, A-N^{12}, O^{4} + [1]f supplied(p 329 & a blank p). Recto of first f bears an engrav 1/2tp showing Orpheus with lyre in a marine landscape, the 1/2title below(enclosed by dolphins). Two views of coin, engrav, p 262; woodcut ch orns, inits. 14.8 x 9.4 cm(5 3/4 x 3 3/4 in). Cut. JSL.

Cont: engrav 1/2tp; tp; dedic; lectures; about the author; text in Greek & Latin; blank p; notes; blank p.

The lapidary begins on 184 and ends on 241. The poem proper is preceded by an "argumentum" of Demetrii Moschi; stones treated are crystallus, galactites, petraces, achates, cornu cervi, barbaro lapide, jaspis, topazius, opallius, magnes, ostrites, gagates, scorpius, coryphodes, coralium, achates[sic], de eodem, adhuc de eodem, nevrites, and chabazius. Notes on the lapidary by Henrici Stephani, 318-22. Andreas Christian Eschenbach(1663-1705).

4892. -----1764, Leipzig

[Orpheos] | [Apanta] | [rule] | Orphei | Argonavtica Hymni | Libellvs De Lapidibvs | Et | Fragmenta | Cvm Notis | H.Stephani Et Andr.Christ Eschenbachii | Textvm | Ad Codd. Mss. Et Editiones Veteres | Recensvit | Notas Svas Et Indicem Graecvm | Adiecit | Io.Matthias Gesnervs | Cvrante | Ge.Christo.Hambergo | [rule] | Lipsiae | Svmptibvs Caspari Fritsch | MDCCLXIV [First 2 lines in Greek; Leipzig, 1764]

8°: XXVIII, 484, [112]p; a-Oo^{8}, p^{2}. Engrav text fig of coin; 2 engrav views p 12; woodcut ch orns, woodcut colophon. 19.3 x 11.3 cm(7 5/8 x 4 1/2 in). Cut. JSL.

ΟΡΦΕΩΣ
ΑΠΑΝΤΑ

ORPHEI
ARGONAVTICA HYMNI
LIBELLVS DE LAPIDIBVS
ET
FRAGMENTA
CVM NOTIS
H. STEPHANI ET ANDR. CHRIST. ESCHENBACHII
TEXTVM
AD CODD. MSS. ET EDITIONES VETERES
RECENSVIT
NOTAS SVAS ET INDICEM GRAECVM
ADIECIT
IO. MATTHIAS GESNERVS
CVRANTE
GE. CHRISTO. HAMBERGERO

LIPSIAE
SVMTIBVS CASPARI FRITSCH
MDCCLXIV

4892. Titlepage to a work that incorporates a lapidary attributed to the mythical Orpheus

Cont: tp; dedic; pref; prolog; text; collations of text vs mss; Gesner essay on navigation of Phoenicians past Gibraltar; index; fragments index; colophon.

Prologue & numerous footnotes in Latin with Orphic texts in Greek verso, Latin translations recto; *Lithika* on 287-353, edited by Gesner; a collation of same with ms Reg 2764 on 415-6. Georg Christoph Hamberger, 1663-1705; Johann Matthias Gesner, 1691-1761.

4893. -----1781, London

[Peri Lithon.] | De Lapidibus, | Poema Orpheo A Quibusdam Adscriptum, | Graece Et Latine, | Ex Editione Jo.Matthiae Gesneri. | Recensuit Notasque Adjecit | Thomas Tyrwhitt. | [taper rule] | Simul Prodit Auctarium | Dissertationis De Babrio. | [taper rule] | Londini, | Typis J.Nichols; | Apud Bibliopolas, Payne, White, Et Emsley. | M.DCC.LXXXI. [First line in Greek; 1781]

8°: xviii, 125, [1 blank]p + [3], [1 blank], 55, [1 blank]p; title f supplied + a^{8}, A-F^{8}, G-I^{4}, K^{2} + [1] f supplied(p 125-[6] blank) + $[A]^{2}$, B-D^{8}, E^{4}. 21.7 x 13.2 cm(8 1/2 x 5 1/4 in). Cut. JSL.

Cont: tp; pref; postscript; Peri Lithon text; addenda; index of stones; index of words; errata; blank p; 1/2tp of Babrio; tp; text; notes; blank p.

Thomas Tyrwhitt(1730-1786) was of the opinion that the original ms was composed before Constantine(306 AD) and not long after 364 AD.

4894. -----1805, Leipzig; not seen

4895. -----1865, London, in C W King's *The Natural History, Ancient and Modern, of Precious Stones and Gems, and of the Precious Metals*, 1865, 275-96, which see, followed by notes on ophites, stones treated in the poem, and a lengthy treatise on authorship of *Peri Lithon*, 396-8. JSL. Here he draws attention to Tyrwhitt's opinion that the poem was the production of some "Asiatic Greek, and written in the 4th century," and "if any competent scholar will take the trouble to compare it with the Argonautica, which also goes under the name of Orpheus, he will not in my opinion fail to perceive both to be works of the same hand." Finally, "the question of the antiquity... is set at rest if we accept the authority of the scholiast "Demetrius son of Mischius," who states positively that it gave Nicander the idea of his Theriaca. Now Nicander flourished under Attalus, or B.C. 135, which circumstance supposes a much higher antiquity [for the *Lithika*] ." Essentially the same remarks are made by King in his *The Natural History of Precious Stones and of the Precious Metals*, London, 1867, p 5-6, but the poem is not included.

4896. -----1876, Ger transl Orpheus' Lithika. Ein theurgisches Epos über die Wunderkräfte der Steine, übers. v. Karl Seidenagel. *Beigabe zum Programm des Progymnasiums zu Bruchsal für das Schuljahr 1875-1876*, Bruchsal 1876. Not seen, from C Meier, 52.

4897. -----1881, Berlin

Orphei Lithica. | Accedit | Damigeron De Lapidibus. | Recensuit Eugenius Abel. | [rule] | Berolini | Apud S.Calvary Et Socios | [rule] | MDCCCLXXXI.

8°: [3], [1 blank], 198 p. 21.3 x 13.7 cm(8 3/8 x 5 3/8 in). Cropped. BM(NH) JSL.

Cont: tp; dedic; pref; Greek pref & Greek text of Lithika, 13-38; critical commnt 39-111; index Greek words, 112-37; also in Greek *Orpheos Lithika Kirugmata*, 138-53; *Damigeron De Lapidibus*, 155-95 with prefatory remarks on origin, discussion of several known preambles to same, and then the 50 short chs which describe a like number of stones; addenda & corrigenda, 196-8.

Abel discusses the possible origin of Lithika and extant mss; it is followed by a very substantial commentary in which not only the substance, real or speculative, of the poem is closely examined but also what others had to say. However, of equal importance in this version is the *De Lapidibus* of the mythical Damigeron, here presented in Latin, and believed by some to have been the basis for Marbod's famous poem. The stones are aetites, heliotropus, adamas, memnonius, diadochos, smaragdus, corallius, exebenus, haematites, chelidonius, chelonites, ceraunius, iaspis, sapphirus, epistites, orites, achates, odontolycius, alectorius, gagates, medius, syrtius, capnites, optallus, obsyontes, hieracites, carsydonius, lychnites, topatozontes, magnitis, lyngurium, daphnea, charcedonius, galactites, berillus, selenitis, panchrodes, collurus, trisutes, melas, gagatromanes, phoenicites, lyncis, narcissites, steatites, camptine, chrysolithus, chrysolithus alter, apocheamus and sardius. See also DAMIGERON and Thorndike, *History of Magic*, 1, 776.

4898. -----1893, Paris. The Greek text appears in De Mély & Ruelle, *Les Lapidaires de l'Antiquite*, Paris, 2, fasc 1, p 135-73, which see; notes on other editions p XIII-XIV; no translation. JSL.

4899. -----1971, Hildesheim, facsimile of 1881 edit

Orphei Lithica. | Accedit | Damigeron De Lapidibus. | Recensuit | Eugenius Abel. | [logo]] Verlag Dr.H.A.Gerstenberg · Hildesheim | 1971

8°: [5], [1 blank], 198 p. Pale blue cloth, gold title on cover & spine. 20 x 13.4 cm(7 7/8 x 5 1/4 in). Cut. ISBN 3 8067 0016 8. JSL.

There is a 1/2tp and the tp is part facsimile; else same.

ORSINI, FULVIO or URSINUS, FULVIUS(1529-1600)

Ital scholar, antiquary; librarian to Cardinal Alexander Farnese; publ commentaries on principal Roman historians, edits of various Greek classics, notably "Portraits and Eulogies of Illustrious Men exhibited by Marbles, Medals and Gems," as described below. Comments on works below: Zazoffs, *Gemmensammler*, 30.

4900. -----1570 Imagines et elogia virorum illustrorum et eruditorum ex antiquis lapidibus et nomis. expressae cum annot. ex bibliotheca Fulvii Ursini, Romae, 1570. Ant.Lafrerly Formeis. Not seen; from Furtwängler, *Die antiken Gemmen*, 1, 403, also Mariette, *Traité pierres gravées*, 1, 1750, 429. Furtwängler notes that "Fulvio Orsini's collection of portraits, which in addition to those from marbles and coins, also contained similar ones from engraved gems, was first published in 1570 with a brief text, but "I have not been able to find a collation for same nor more details on the engravings, etc... later, a young engraver from Antwerp, Theodore Galle, prepared in Rome new drawings and engravings of the collection which was published without text in Antwerp in 1598. After the death of Orsini in 1600 the learned physician Johann Faber of Bamberg wrote a commentary for a new edition of 1606 which was enlarged by an appendix of 17 plates, with the Latin commentary of Faber, based on the remarks left behind by Orsini himself."

4901. -----1598; not seen

4902. -----1606, 2nd edit. Illustrium imagines, ex ant. marmor. nomismat. et gemmis expressae, quae exstant Romae, maior pars apud Fulvium Ursinum. Edito altera, aliquot imaginibus et J.Fabri ad singularis commentario auctior atque illustrior. Theod. Gallaeus delineabat Romae ex archetypis, incidebat Antverpiae 1598. Antw. 1606. Not seen.

4903. -----1710, Paris Portraits d'hommes & de femmes illustres, du Recueil de Fulvius Ursinus, accompagnés des explications de Jean Le Févre, traduites en François (Par Charles-César Baudelot, de l'Académie des Inscriptions.) Paris, 1710, 4°, figs, Not seen; from Mariette, 1, 1750, 429.

ORTON, JAMES (1830-1877)

B Seneca Falls, NY; grad Williams Coll 1855 & Amherst Theological Seminary 1858; pastorates 1861-6; instruct nat sciences Rochester U 1866; prof nat hist Vassar Coll 1869-77; mbr scient expedits to South Amer 1867, 1873, 1876.

4904. -----1872

Underground Treasures: | How And Where To Find Them. | A Key | For The Ready Determination Of All The Useful | Minerals Within The United States. | [rule] | By James Orton, A.M., | Professor of Natural History in Vassar College, N.Y.; Cor.Mem. | of the Academy of Natural Sciences, Philadelphia, and of | the Lyceum of Natural History, New York; | Author of "The Andes and the | Amazon," etc. | [wood engrav vignette, miner holding a lamp] | Illustrated. | [rule] | Hartford: | Worthington, Dustin And Company. | Queen City Publishing Co., Cincinnati, O.; M.A.Parker & Co. | Chicago, Ill.; F.Dewing & Co., San Francisco, Cal. | 1872. [all enclosed in double-rule frame]

8°: 2 blank f supplied + [2], 137 p + 2 blank f supplied; wood engrav front pl with tissue tip-ip; 1/2tp in fancy lett & bearing a gold nugget in color; 4 fullp wood engravs, the reverses blank but includ in pag. Dk green cloth, blind ruled frames on both covers; front cover with gold vignette of title & mining tools; same blind on back cover; spine with scrolls & ornate lett in gold, with rules. Bev bds. V pale tan endp. 16.2 x 11.8 cm(6 3/8 x 4 5/8 in). Text enclosed in orn frames. Cut. JSL.

Cont: 2 blank f; front; 1/2tp; tp; publ data; dedic; running tp; note; ill list; tab] cont; 9 chs; 2 blank f.

Enthusiastically-written, oversimplified treatise purporting to furnish would-be prospectors with the knowledge necessary to insure success in seeking minerals, ores, and gemstones, and how to recognize them when found. Ch 3 includes gemstones among the minimally-described species; Ch 4 gives directions for hunting diamonds; Ch 3, strangely enough, devotes itself to artificial gems, telling how to distinguish them, and even more curiously, how to make them! This chapter concludes with a short list of gemstones arranged according to color. A quaint work, attractively-decorated on the exterior, filled with fragmentary and on the whole, useless, information. Despite substantial drawbacks, this small work achieved considerable popularity and passed through a number of editions, the last that I have been able to confirm being published as late as 1922 when the copyright was renewed.

4905. -----1881, 1887, edits publ by Henry Carey Baird & Co, Phila; not seen

4906. -----1901, Philadelphia

Underground Treasures: |...| By James Orton, A.M., | Late Professor of Natural History in Vassar College, N.Y.; Cor. |...[3 lines]...| A New Edition With An Appendix | On Ore Deposits And Testing Minerals | With The Blow-Pipe. | [rule] | Illustrated. | [rule] | Philadelphia: | Henry Carey Baird & Co., | Industrial Publishers, Booksellers And Importers, | 810 Walnut Street. | 1901. [Enclosed in orn frame; no vignette]

8°: 2 blank f + [4], 211, [3]p + 16 p bk cat + blank f; same ill. Dk maroon cloth, same lett & decor. Pale brown floral endp. Same p size.

Cont: 2 blank f; front; 1/2tp; tp; publ data; note; tab cont; dedic; run tp; ill list; 9 chs; append; indexes; blank f; cat books; blank f.

P [1]: "to enhance the value and popularity of the book, it has... been deemed advisable to add an Appendix on Ore Deposits and Testing Minerals by the Blow-Pipe. W.T.B. Philadelphia, 1901."

4907. -----1908, ident reprint, Phila, price $1.50

4908. -----1922, Chicago

Underground Treasures: |...| Chicago. | The Model Publishing Co. | 44 So. Dearborn St. [Rev of tp: "Copyright 1922"]

8°: 211 p + [35] p advert; same ill except that front pl without tissue; gold nugget omitted on 1/2tp. Dk blue cloth, gold dec etc as before but without blind orn. White endp. 15.8 x 11.7 cm(6 1/4 x 4 5/8 in). $3.50. JSL.

Cont: front; tp; publ data; note; ill list; tab cont; dedic; text; indexes; advert.

The advertisements offer magic equipment, gazing crystals, prospecting equipment, divining rods, playing cards, books, and many other items of a trashy nature catering to the superstitious and credulous.

4909. OSANN, CARL ALFRED(1859-1923) Ueber Datolith vom Lake Superior und die ihm begleitenden Mineralien. *Zs Krist*, Leipzig, 24, 6, 1894, 543-54, pl. Describes fine crystals of datolite in the collection of S Rominger, former State Geologist of Michigan, from Clarke mine, Keeweenaw Point, Michigan, also Copper Falls and North Cliff mines; Osann mentions the curious reddish compact datolite nodules from the Franklin, Acadian, Huron, Quincy, and Ridge mines, with analyses. Osann, a Ger mineralogist, PhD Heidelberg U 1881; prof Freiburg U; Pogg 6, 1923.

OSBORNE, SAMUEL DUFFIELD(1858-1917)

Attorney, writer, antiquarian; b Brooklyn, NY; grad Columbia U 1879, law degree 1881, MA 1882; practised law to 1893, thereafter traveling extensively in Europe and devoting remainder of life to writing, eg, *The Spell of Ashtaroth, The Rose Messus*, also edit Livy's *Roman History*, Macaulay's *Lays of Ancient Rome (NY Herald*, Nov 22, 1917).

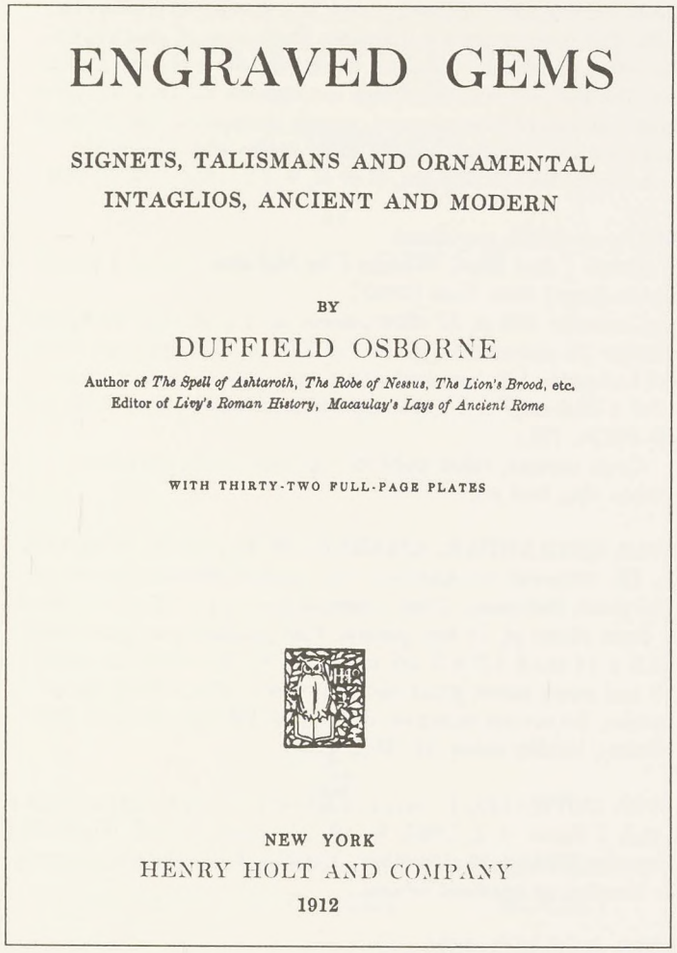
4910. -----1912

Engraved Gems | Signets, Talismans And Ornamental | Intaglios, Ancient And Modern | By | Duffield Osborne | Author The Spell of Ashtaroth, The Robe of Nessus, The Lion's Brood, etc. | Editor of Livy's Roman History, Macaulay's Lays of Ancient Rome | With Thirty-Two Full-Page Plates | [logo] | New York | Henry Holt And Company | 1912 [title in red & black]

8°: [2 blank], xiii, [1 blank], 424 p + 32 glossy photo pls bound-in; 29 fig. Dk blue buckram, title with floral orn in triangular shape in gold on cover; white panel on spine with gold border & gold title. 25.4 x 16.2 cm(10 x 7 1/8 in). Teg, others untrimmed. Watermarked paper. LC 12-37310. JSL. Cheaper issue in grayish blue cloth, with lett, dec etc in vermilion; ae cut, ungilt. 25.1 x 17.5 cm(9 7/8 x 6 7/8 in). JSL.

Cont: blank f; tp; publ data; dedic; pref; tab cont; text; pls explan; list of attributes; index; pls.

Excellent, respected work that covers most aspects of engraved gems by which the beginner is furnished with a sound foundation for further study. The preface contains interesting remarks on the growth of the engraved gem collecting mania which saw its crescendo in the famous denouement of the



ENGRAVED GEMS

SIGNETS, TALISMANS AND ORNAMENTAL INTAGLIOS, ANCIENT AND MODERN

BY

DUFFIELD OSBORNE

Author of *The Spell of Ashtaroth, The Robe of Nessus, The Lion's Brood*, etc.
Editor of *Livy's Roman History, Macaulay's Lays of Ancient Rome*

WITH THIRTY-TWO FULL-PAGE PLATES

NEW YORK
HENRY HOLT AND COMPANY
1912

4910. Titlepage of Osborne's treatise on engraved gems that enjoyed popularity and authority in the early part of the 20th century

fraudulent Poniatowski gems. The introduction also contains much useful information as forgeries, gem materials, sizes and forms of gems, physical & artistic features of ancient gems, signatures, inscriptions, etc. The text, in three parts, treats the history of gem engraving, the deities and other figures upon gems, and the technical aspects of the engraving art with remarks on curious lore. F T Colton, *The Bookman*, 36, 4, 1912, 449-52, "a model of form... because of its happy blending of hard, dry facts with a certain lighter element of more general human interest." Chamberlain, 1899; the Zazoffs, 240; see also SCHWARTZ, FM & JH, 1979.

4911. OSIPOV, V

V.Osipov | Siberian | Diamonds | Foreign Languages Publishing House | Moscow 1958 [pale blue snowflakes, map of Siberia & black helicopter decorate the titlepage]

8°: 74, [1], [1 blank], [2]p; 14 photos. Blue wrap, b&w title on red cover panel with snowflake, diamond crystal decor. 19.8 x 12.9 cm(7 7/8 x 5 in). Cut. JSL.

Cont: tp; publ data; tab cont; 6 chs; blank p; request for comments; blank p; publ data; short title.

In simplified language for a youthful audience; describes adventures of prospectors who sought and found diamonds in Yakutia, Siberia.

4912. OSKOLKOV, VLADIMIR ARSENEVICH

V.A.Oskolkov | Oblitsovochnye Kamni | Mestorozhdenii SSSR | [logo] | Moskva "Nedra" 1984 [title partly boxed in rules]

Cementb: 191, [1]p; 100 fig(many col photos of stones); 2 tab. Col wrap, col photos of stones both covers. 21.5 x 16.4 cm(8 1/2 x 6 1/2 in). Cut. 26,000 copies. 1 r, 30 k. JSL.

Cont: 1/2tp; tab cont; tp; resume; pref; introd; text; biblio(p 185, 21 entries); localities index; analytical tab cont & publ data.

Architectural and decorative stones of the USSR taken republic by republic and with a chapter devoted to the decorative kinds and quarrying, plus other incidental information. The illustrations tend to be poor and many are inaccurately-hued.

4913. OSMA, GUILLERMO J DE

Catálogo | De | Azabaches Compostelanos | Precedido De Apuntes Sobre | Los Amuletos Contra El Aojo, Las Imágenes Del Apóstol-Romero | Y | La Cofradía De Los Azabacheros | De Santiago | [logo] | Madrid: MCMXVI [1916]

4°: xii(first f blank), 234, [2]p; approx 146 fig, mainly carvings in jet. Pale gray paper over bds, pale grayish spine cloth & corners. gilt rules & lett spine [but this may be a privately-bound copy!]. 27.9 x 21.7 cm(11 x 8 5/8 in). Unopened at top; other edges cut. Palau 49735. JSL.

One of 400 numbered examples, printed at the Imprenta Iberica.

Cont: blank f; tp; example no; tab cont; note & ackn; 3 chs with numerous sections; append to Ch 3; cat; ill list; publ data.

A scholarly study of Spanish jet and its use in various types of small carvings for decorations, amulets, etc. The first chapter is a valuable discussion of nomenclature and etymology of jet terms, a description of properties, magical virtues as taken from Aristotle and Pliny, among other ancient authorities, and a particular treatment of the protective nature of jet when carved into hands or "figas," the latter considered specially useful for warding off the evil eye, and other amulets made from jet. The second chapter exhaustively traces the legend of the "Apóstol-Romero," ie, St James the Apostle, who is buried at the Cathedral in Santiago de Campostela, an edifice dating to the 11th century. The city itself is in La Coruña province, northwest Spain. The third chapter describes the development of the jet-carving industry and the jet-carvers guild as traced from early records and with appendices about regulatory ordinances dating from 1443, and lists of artisans in jet. The last part of the book is the catalog of 80 examples in the Instituto De Valencia De San Juan, Madrid, richly illustrated with photographs of mainly religious figurines and a variety of amulets. A rare work as evidenced by its omission from lists of works dealing with jet and jet carving.

OSTEN, H VON DER, see HENNING VON DER OSTEN, HANS

4914. OSTERSTOCK, ALAN

Andamooka | Opal | alan osterstock [title printed over a fullp photo of an opal mine; 1976]

P 2: "First published... 1976... wholly set up, printed, bound and distributed by the author, at AUSTAPRINT, 11 Elm Street, Hampstead Gardens, South Australia, 5086"

Oblong, edgestapled: 84 p; 37 b&w photos; 1 diagr; 18 col photos. Brownish-chartreuse paper over bds, plain; heavy, tan, textured endp. Col dj with Andamooka scene on front & extending partly over back cover; remainder green; resume, vita. 18.9 x 26 cm(7 3/8 x 10 1/4 in). Cut, ISBN 0 85872 168 6. JSL.

Cont: tp; publ data; tab cont & ill lists; text; biblio(p 75, 12 entries); opal forms & col patterns; gloss; Andamooka localities list; photo.

The author, formerly in the glass-cutting business and presently owner & operator of a printing business, bases his book on his experiences in the Andamooka field mining opal during an extended stay. He presents a contemporary picture of the opal mining community, the miners and their lives, how mines are opened and worked, attitudes toward opal mining, geology & mineralogy of the deposits, mining problems and how they are solved, and how opal is cut, judged, and sold. A prospective visitor-miner would find this a very helpful guide inasmuch as it deals directly with the problems of the tyro and what he must do to become a successful miner and stay in business. There is excellent information on types and grades of opal, how it is treated, and how it is valued and sold. Illustrations are generally good.

4915. OSTERWALD, FRANK W. and others Mineral resources of Wyoming. *Geol Survey Wyo Bull* 50, Laramie, Univ Wyo, 1959. Edgestapled: vi, [1], 259 p; 4 sketch maps. Pale green wrap, title on cover in frame. 22.8 x 15.4 cm (9 x 6 in). Cut. JSL. Brings up to date the material in Bull 45, 1952: geology and natural provinces of the state, minerals & mineral materials in alphabetical order with brief descriptions and careful locality listings of sites and the deposits. Included: aquamarine, ruby corundum, garnet, nephrite, quartz varieties, marble. Bibliography p 220-49, 615 entries.

4916. OSTIER, MARIANNE

by Marianne Ostier | [row of stars] Jewels and the Woman | The Romance, Magic and Art of Feminine Adornment | [vertical row of stars to left] | Horizon Press New York [1958; title spread over 2 p]

16°: 320p; 2 glossy conjugate f tip-in after p [4] which bear 12 color panels, each showing a cut birthstone; 68 photos on 16 bound-in glossy f in groups of 4, unnumbered but includ in pag. Pale yellow unfin cloth, author monogram on cover in gold; title etc on spine in gold & purple. Maroon dj, gold & white lett on cover & spine; author portr on back with vita; flap summary. 23.4 x 15.5 cm(9 1/4 x 6 1/8 in). Cut. $7.50. LC 58-10224. JSL.

Cont: 1/2tp; tp; note & credits; ackn & publ data; col ill; tab cont; ill list; fwd; 17 chs in 5 parts.

The author, wife of Oliver Ostier, formerly court jeweler in Vienna, and operator of a jewelry business in New York, here presents a popular work on many aspects of jewels, gems, and the lore associated with gems. The text stresses those aspects which properly fall in the category of curious lore and such are treated in a manner that suggests a strong belief on the part of Ostier in the magical powers attributed to gems. The first part is historical, followed by a second part on types of jewelry and how worn, a theme that is carried into the third part which treats the etiquette of jewelry-wear and jewelry as appropriate gifts. The fourth part is on lapidary work, care of jewelry, remodeling of same to "up-date" them, and other topics of interest. The last part considers rings throughout the ages and gives brief histories of famous gems, mostly diamonds. The technical and scientific materials contain many errors and misleading statements. Rev D Dignam, *G & G*, 9, 10, 1959, 306-9, 318.

4917. -----1962, paperback

Jewels | And The | Woman | by Marianne Ostier | Royal Books [logo] New York [1962]

Cementb: 192 p; 37 b&w photos on 8 glossy f(p 64-5) and another 28 photos on 8 glossy f(p 128-9). Col photo on cover, col background & lett; back cover resume, vita, author portr. 17.9 x 10.6 cm(7 x 4 1/8 in). Ae stained yellow. Cut. $.75. LC 58-10224. JSL.

Cont: resume; other publ bks; tp; publ data; tab cont & author vita; fwd text.

4918. OSTRANDER, CHARLES W & PRICE, WALTER E, JR Minerals of Maryland. The Natural History Society of Maryland, Baltimore, 1940. Centerstapled: pl + 92 p + 1 blank f; front photo pl, 19 text photos. Pale purplish-gray print wrap. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL. Localities for minerals and many minor gemstones by county; also a check list of species, fluorescent minerals, meteorites, biblio(p 83-8, ca 100 entries), locality index. LC 40-31363.

4919. OSTWALD, J Some notes on the mineralogy of lapis-lazuli. *J Gemm*, 9, 2, 1963, 84-101, ills(map), 29 ref. Worldwide deposits, geology & mineralogy, associated species, and altogether forming an excellent review.

4920. OSWALD, JAN

Dr.Jan Oswald | Meteorické | Sklo | Vydáno s podporou českého badatelského fondu | při Národní radě badatelské v Praze | V Praze 1942 | [double rule] | Nákladem České Akademie věd A Uměni

8°: [2 blank], [1], [1 blank], 93, [2]p + a gathering of 8 f, bound-in, bearing Pls I-VII, printed recto only, the last f blank; these plates depict 101 moldavite specimens and 2 maps of Czechoslovakian localities. Pale gray print wrap. 26.8 x 18.3 cm(10 1/2 x 7 1/4 in). Uncut. JSL. LC 59-56850.

Cont: blank f; tp; introd; 11 chs; Engl summ; tab cont; pls; blank f.

On the meteoric glass or tektites(moldavites) of Czechoslovakia and a valuable summary of extant knowledge on these bodies that are sometimes cut as faceted gems or set au naturel in jewelry. The preface discusses previous work on moldavites, citing important literature, and summarizing the questions that must be asked concerning the nature and origin of moldavites. The text then considers origin, morphology, chemical composition, density, and other physical properties, inclusions and significance, and then goes on to provide an extensive account of the localities in which specimens have been found. This is followed by descriptions of the specimens depicted on the plates with their sources. On the basis of "strewn field" theory, the author was able to find moldavites in places where none had been found before. The plates reproduce carefully drawn sketches of moldavites in a great variety of forms and surface sculptures.

VISIONS & JEWELS

AN AUTOBIOGRAPHY

BY

MOYSHEH OYVED

LONDON: ERNEST BENN LIMITED
8 BOUVERIE STREET, E.C.4 MCMXXV

4926. Anecdotes from the life of the author, a well-known jeweler of London who operated the shop known as Cameo Corner near the British Museum

4921. OTOTAKE, I Kokichi Mikimoto and his pearls. Tokyo: Mikimoto Pearl Company, April 1948, 14 p, 1 pl, Not seen.

4922. OTTO, RUFF Über die Bildung von Diamanten. *Zs Anorg Chemie*, 99, 1917, 73-104, 4 fig. Not seen; *Min Abstr* 1, 1921, 233.

4923. OUR DIAMOND INDUSTRY [title] Published by the Board for the Protection of Mining Interests, Griqualand West. Kimberley, 1885, 8°: 104 p. Not seen, from Theal 225. Southey no 139 gives 109 p, noting that it contains a number of articles on diamonds from various papers, and a lecture on 'The value of our diamond industry' read at the Royal Colonial Institute by John X.Merriman.

OUSELEY, WILLIAM, Sir(1767-1842)

Noted Persian scholar; brief career in Brit Army but most of lifetime spent in study of many aspects of Persian culture; publ works on same; Hon LLD Trinity Coll, Dublin 1797; PHd Rostock U; knighted 1800. DNB.

4924. -----1801.

Observations | On Some | Medals And Gems, | Bearing Inscriptions | In The | Pahlavi | Or | Ancient Persick Character. | [double rule] | By | Sir William Ouseley, Knight, LL.D. | Doctor Of Philosophy In The University Of Rostoch, | Honorary Member Of The Royal Society Of Science At Gottingen, | And Of The Asiatick Society Of Calcutta. | [double rule] | London, | Printed, At The Oriental Press, By Wilson & Co. Wild Court. | For E.Harding, N° 98 Pall Mall. | [taper rule] | 1801.

4°: iv, 47 p; pi^2, B-G^4; front engrav pl tip-in. 30 x 23.4 cm(11 7/8 x 9 1/4 in). Cut.

Among the engraved gems bearing Persian characters there are some that have been previously described and acknowledged accordingly.

OVED, MOYSHEH, see OYVED, M

4925. OXFORD COUNTY [Maine] MINERAL & GEMS ASSOCIATION... Yearbook, No 1, 1948 to No 16, 1963. I do not know if continued past this year. Various editors; publ in Oxford Co, Maine. Edge-fastened folders, various colors, inset title labels on front covers; up to 30 f text and/or maps or other ill; mimeographed. 28 x 21.4 cm(11 x 8 1/2 in). Issues contain much on granitic pegmatite deposits and minerals, including gem minerals, field trips, instructions for reaching sites, historical notes, reminiscences, etc.

4926. OYVED [or OVED], MOYSHEH [or MOSHEH] (d 1958)

Visions & Jewels | An Autobiography | By | Moysheh Oyved | [logo] | London: Ernest Benn Limited | 8 Bouverie Street, E.C.4 MCMXXV [1925]

8°: 173, [3 blank]p. Maroon cloth, blind cover frame; gold spine title. Green paper dj, title on cover & spine. 18.8 x 12.2 cm(7 3/8 x 4 3/4 in). Cut 6/- net. JSL.

Cont: 1/2tp; tp; publ data; dedics(2); tab cont; text; 3 blank p.

Writing with charm and quaint turn of phrase, the author tells of his boyhood in Russian Poland, his experiences in getting to England, and his eventual stay in his adopted country where he entered a lifetime career of buying and selling jewelry and gems. In later years he became proprietor of "Cameo Corner, a small but sought-out shop several squares from the British Museum in Bloomsbury, London. The shop continued operation into the 1970's. See further his pseudonym of GOOD under which appear further remarks on his business. It is said that Oyved applied exquisite good taste to selection of his wares thereby drawing to his shop a clientele that included members of the Royal House. This small work is rich in Jewish lore and reflects not only Oyved's passionate fondness for Jews as a whole but also his love of humanity in general and everything beautiful. To read this and other works by him is a rewarding experience whether or not one is particularly interested in gems and jewels. Rev *The Gemm*, 21, no 248, 1952, 47.

4927. -----1926, New York

Visions And | Jewels | An Autobiography | by | Moysheh Oyved | [logo] | New York | Henry Holt And Company [1926; title in orn frame]

8°: xi, [1 blank], 163, [1 blank]p; front photo of author's bust on glossy tip-in f. Floral pattern paper over bds, black cloth spine with title in pale gray. Ex libris printed inside front cover. 18.8 x 12.7 cm (7 3/8 x 5 in). Cut. Te stained nale green. Green place cord. JSL.

Cont: 1/2tp; front; tp; publ data; dedics; tab cont; text tp; text; blank p. Entirely reset in larger type.

4928. -----1952, London, revised

Visions | And Jewels | Autobiographic in three parts | by | Mosheh Oved | Faber And Faber Ltd | 24 Russell Square | London [1952]

8°: 320 p(first 2 p blank). Tip-in glossy photo portr of author to face p 15; 18 other photos on 7 tip-in glossy f. Pale mauve, unfin cloth, gold title & rules spine. Blue & red dj, resume. 22 x 14 cm(8 5/8 x 5 1/2 in). Cut. Te stained yellow. 21 s net. JSL.

Cont: blank f; 1/2tp; other author bks; tp; publ data; ackn; tab cont; ill list; portr pl of author; introd; text; index.

The three parts of the text consist of original versions of *Visions and Jewels, Gems and Life*, see below, and a part "written 1935-50" that comprises an entirely new series of anecdotes from his life, with the emphasis again on experiences in the trade, and, it should be added, as fascinating as those written previously. Note name change adopted by the author.

4929. -----1927

Gems | And | Life | Moysheh Oyved | London | Ernest Benn Ltd. | MCMXXVII | [title in double-rule frame]

8°: 117, [3 blank]p. Maroon cloth, blind-ruled frame on front cover, title in pale gray on spine. Pale tan dj, author portr bust on front with title & other publ works. 18.8 x 12.2 cm(7 3/8 x 4 3/4 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; text; 3 blank p.

Further reminiscences with emphasis on his experiences while a dealer in London.

4929A. -----1927(?) A combined volume of Visions & Jewels and Gems And Life, bound up in maroon cloth, gilt, both titles on spine, 173, [3 blank], 117, [3 blank]pp. 18.6 x 12 cm(7 1/4 x 4 3/4 in). Cut. JSL. Contents identical to preceding of 1925 and 1927 respectively and apparently printed from the same plates.

4930. -----1940

For The Sake Of | The Days | by | Mosheh Oved | [orn] | Faber And Faber | 24 Russell Square | London [1940]

8°: 72 p (first 2 p blank); the title ornament, a tree, reappears upon the last f. Pale blue unfin cloth, gold spine title; bright green dj, cover title, resume, other bks of publ. 19.1 x 12.8 cm(7 1/2 x 5 in). Cut. Pale tan-yellow paper. JSL.

Cont: blank f; 1/2tp; other bks of author; tp; publ data; tab cont; text; orn.

The final series of anecdotes based upon episodes in the author's life but this time, perhaps a reflection of an increasing philosophical bent of the author with age, richly laced with mysticism as well as legends about gems and Jews. Much less matter of direct interest to the gemologist is contained herein but it is all very worthwhile and interesting reading. The tone of this work suggests that it is at this point that Oved tires of recounting events in his life and begins to explore thc meaning of life itself.

ÖZGÜÇ, N, see AMIET, P, et al

4931. P[ATRICKSON], *Madame*

Voyage Aux Mines De Diamants Dans Le Sud De L'Afrique | (Cap De Bonne-Espêrance), | Par Madame P. ... | 1872-1877. - Texte Et Dessins Inédits. *Le Tour Du Monde*, Paris, 1878, vol 36, p 289-336, 14 text ill; 11 fullp ill; 1 map in text, Ca 22 x 15 cm(9 x 6 in). Furnished in three livraisons numbered 931 to 933, each with own title and headpc ill as above and signed "De Drée [Stephane], d'après les notes de madame P."

Excellent, detailed account of the trip from France to Cape Town, thence inland to the diamond diggings along the Orange River and the pipe deposits of Dutoitspan and Kimberley which were just beginning to achieve substantial depth. Describes places, persons, customs, diamonds & diamond mining, miners & traders, and other aspects of life in the early days of diamond mining in South Africa. The wood engraving illustrations are after photographs.

4932. PABIAN, ROGER K The minerals and gemstones of Nebraska. A handbook for students and collectors. Illustrated by Alan R.Cook. *University of Nebraska, Conservation and Survey Division, Educational Circ* 2, Lincoln, 1971. Centerstapled: [7], 80 p; 5 col photos, 1 b&w photo, 4 maps(1 geol col), 49 fig. Bright pale yellow paper wrap, black title on cover with drawing in pale brown; division personnel inside front cover. 28 x 21.5 cm(11 x 8 1/2 in). Cut. JSL.

Outstanding; briefly discusses minerals & gemstones in general, where to look for minerals, collecting practises, identification, etc, followed by an alphabetical list of the state's minerals, with brief descriptions, and a large section on the gemstones. The latter are arranged according to whether they are indigenous, stream-transported from Western states, or glacier-transported from the north. There is a short section on heavy minerals. Appendices describe lapidary work and provide a list of current popular magazines and a glossary. Color photographs depict mineral specimens and many rough & cut gemstones. Particularly fine are the line drawings of which there may be several hundred in all and which everywhere ornament or clarify the text. Most of the gemstones are varieties of cryptocrystalline and crystalline quartz; others include fossil ivory, nephrite, pearl, and topaz. Rev *G & G*, 14, 1, 1972, 31-2; *Min Rec*, 3, 6, 1972, 278.

4933. -----1980 Lake Superior agates: a historical review. *Lap J*, 34, 1, 1980, 110-20, 146-53, 23 ref, portrs, ill. The first important study of extant knowledge of these gemstones. Extracts from H R Schoolcraft, D Houghton, J G Norwood, J W Foster, J D Whitney, N H Winchell, L Hubbard, A C Lane, and others who noted occurrences or described the agates and their genesis. This article is followed by another entitled "Lake Superior agates: structures and inclusions," *Lap J*, 34, 6, 1980, 1284-99, 33 fig, 25 ref. Includes a review of genetic theories. JSL.

4934. PABST VON OHEIM, CARL EUGENIUS

Vom | Regenbogen=Achat, | den | der Verfasser dieses

Briefes | zuerst | an die Pariser Academie | in | einer ihrer ordentlichen Versammlungen | des Jahres 1777. | persönlich bekannt gemacht hat. | [rule] | An Herrn | Carl Eugenius Pabst von Oheim, | Churfürstlich=Sächsischen Berg=Hauptmann und Direktor des a Ober=Berg=Amts zu Freyberg ec. ec. | [woodcut orn] | [rule] | Mit einer ausgemahlten Kupfer=Tafel. | [double-orn rule] | Hamburg. | Bey Johann Philipp Christian Reuss.

4°: 23, [1 blank]p; A-C^4. Hand-col engrav pl. Blue-gray wrap, cover title in orn frame; other publ works & prices back cover. 24.5 x 19.5 cm (9 5/8 x 7 5/8 in). Uncut. USGS Kunz Coll, GS 34-795.

Cont: tp; text; blank p; pl.

The author claims that he describes for the first time in print a translucent slice of agate set in the lid of a gold-mounted snuff box which he examined in Dresden and which displayed the "rainbow" effect, or as it is called now, the "iris" effect and the agate itself, "iris" agate. He found other examples in collections and from his studies concludes that the colors are due to minute prismatic structure. The plate shows four slices of agate as well as an oval slice with sharply defined zig-zag pattern. An interesting and remarkable paper, and so far as I can determine, it is the first to adequately describe iris agate.

4935. PACHINGER, ANTON MAX(1864-)

A.M.Pachinger | Glaube und Aberglaube | im Steinreich. | [2 small squares] | Mit einem Titelbild von F.v.Bayros. | [orn] | Druck und Verlag von Weiffenbach | München 1912.

8°: 94, [2], [1 advert], [1 blank]p. Tip-in front pl, another at end. Dk gray-blue cloth, rounded bd corners, white title on cover & spine; green & white floral endp. 22.1 x 14.3 cm(8 3/4 x 5 5/8 in). USGS Kunz Coll, GS 34-514.

Cont: front; tp; copy no; tab cont; introd; text; pl explan; pl; list of author's other works; blank p.

Curious lore of diamond, ruby, emerald, sapphire, amethyst, opal, quartz varieties, lapis lazuli, malachite, beryl, nephrite, pearl, coral, and others, also the birthstones, scarabs, and amulets, a number of the latter appearing on the last plate. The frontispiece plate shows a scantily clad young woman resting a knee against an enormous step-cut gem; it is in brown on pale yellow paper. The artist was the famous pornographic illustrator Franz von Bayros(1866-1924). Apparently this work was printed in limited number but the total issue is not stated; its rarity is further promoted by the perishing paper used and probably few copies survive.

PACHINGER, A M, see VILLIERS, E, 1927

4936. PADDOCK, ORLANDO S Gemformation: a primer in gemology. Dallas, Texas: Orlando S.Paddock and Holland-House Publications, 1974. Not seen.

4937. -----1977, 2nd edit

Gemformation | A Primer In Gemology | Second Edition | by | Orlando S.Paddock | Gemologist, Author, Lecturer, Sales Consultant | Gemological Editor | American Independent Jeweler Magazine | Gemological Instructor | Paris Texas Junior College | Former Certified Gemologist | American Gem Society | (Retirement from active retail business | prevents use of AGS title.) | Past President, Southwest Guild | American Gem Society [Dallas: Orlando S.Paddock and Holland-House Publications, 1977]

8°: vii, [1 blank], 131, [1 blank]p; 76 fig. Blue cloth, silver lett & cut diamond on cover; silver spine title. 21.6 x 13.8 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: tp; publ data; dedic; vita; fwd; tab cont; 21 chs; biblio(p 126, 9 entries); tabs; index; blank p.

A short, simplified course in the essentials of gemology, with fair coverage of major topics as mineralogy, crystallography, light, properties, instruments and their use, methods of identification, the diamond, synthetics and imitations. However, when compared to standard works on the subject, eg Webster's *Practical Gemmology*, there seems little reason to choose the above.

PAGE, DAVID(1814-1879)

B Lochgelly, Fifeshire, Scotland; grad St Andrews U 1834; to staff, Chambers (publishers) from 1843; prof geol Durham Coll 1871; prolific writer in other subjects besides geology. Allibone, 2, 1481, also Suppl, 2, 1204; *Hist Geol Soc Glasgow*, 1908, 251-2; *Trans Edinb Geol Soc*, 3, 1880, 220-1.

4938. -----1874,

Economic Geology | Or | Geology | In Its Relations To The | Arts And Manufactures | By | David Page, LL.D, F.G.S., &c. | Professor Of Geology In Durham University College Of | Physical Science, Newcastle-Upon-Tyne | Author of Text-Books on Physical Geography and Geology; | 'Handbook of Geological Terms;' 'Geology | for General Readers,' &c. &c. | William Blackwood And Sons | Edinburgh And London | MDCCCLXXIV | All Rights reserved

8°: xiv, [2], 336,15, [1]p; wood engrav front pl with tissue; 17 text wood engrav; fold col geol map British Isles in back cover pocket. Bright blue cloth, oil well scene & gold lett on front cover within blind frames; similar frames back cover; gilt spine lett & rules. Dk brown, dull endp. 20 x 13.2 cm(7 7/8 x 5 1/4 in). Uncut; fe untrimmed. JSL. A 12-1112.

Cont: 1/2tp; 2 quotes; front; tp; pref; tab cont; ill list; 19 chs; index; adverts.

Excellent survey of the economically important rocks and minerals precedes several chapters on general geology in relation to the earth's crust and to agriculture and land valuation. Ch 5, contains brief accounts of ornamental stones as marbles, alabasters, quartz varieties, jade, malachite, etc, while meerschaum is treated in Ch 10. Abrasive diamond is discussed in Ch 11 and in Ch 17, p 263-82, appear brief descriptions of gemstones arranged in chemical groupings and also remarks on synthetic gem materials. The geological map in the pocket measures 30.5 x 23.5 cm or 12 x 9 1/4 inches.

4939. -----1877, Paris Géologie technologique, traité des applications de la géologie aux arts et à l'industrie, agriculture, architecture, génie civil... joaillerie; traduction libre de l'Economic geology, par Stanislas Meunier. Paris: J.Rothschild, 1877. 8°: 352 p, figs. Not seen, data partly from Dewalque 1533.

PAGE, J D, see CAMERON, E N, et al

4940. PAGE, LINCOLN R et al Pegmatite investigations 1942-1945 Black Hills, South Dakota. *US Geol Survey Prof Paper* 247, Washington, DC, 1953. Edgestapled: VIII, 228 p; 45 pls(maps), 37 fig, 4 tab. Print wrap. 29 x 23 cm(11 1/2 x 8 in). Cut. Numerous fold maps in back cover pocket. $3.50. JSL.

Fundamental reference to granitic pegmatites, some yielding gem materials. GS 53-204.

PAGE, L R, see BEUS, A A, 1962, 1966

PAGE, L W, see BISHOP, H R, 1900

4941. PAGE, VIRGINIA M How to identify fossil wood. *Gems & Mins*, no 270, 1960, p 18-23, photos, refs, continuing to no 275, 1960, 23-27; 6 articles altogether, the last contributions consisting mainly of photos showing enlarged wood cross-sections. The material is essentially chalcedony and much has been treated by lapidaries. Reprinted, ibid, no 378, 1969, 31 to no 387, 1969, 29 ff; 5 articles.

PAGEL-THEISEN, VERENA, see THEISEN, VERENA

4942. PAGENSTECHER, HEINRICH ALEXANDER(1825-1889) Ueber Perlenbildung. *Zs für Wissenschaftliche Zool*, Leipzig, 9, 496-506, col pl; 21 1/2 cm. Not seen; from LC 6-21651.

4943. PAGES OF HISTORY

Diamonds | In | California | Pages Of History | Box Six | Sausalito | California [1959]

Centerstapled: 55, [1]p; 17 ill. Blue wrap, diamond sketch on cover & title in white; sketch map of Calif in blue on back cover. 22.8 x 15.4 cm(9 x 6 in). Cut. $1.00. LC 59-50551. JSL.

Topics: diamond properties, the carat weight & its history, diamond prices, synthetic diamonds & imitations, prospecting, California diamonds in placer deposits with localities by county wherein diamonds have been found; also possible sources of in situ diamonds, advice on prospecting, how to file a claim, and bibliography p 48-56, numerous entries by subject. Many interesting illustrations copied from older publications and several of California diamond crystals. Chief value: specific locality information and records of past finds, sites, finders, weights, etc. It is likely that this work was written by Mary Hill who prepared a second edition under her name which see.

4944. -----1960

Jade | in | California | with illustrations by SAJ | Pages of History | Box Six, Sausalito, California [1960]

Centerstapled: 34 p; 27 text sketches. Green print wrap, white cover lett; map back cover. 22.8 x 15.2 cm(9 x 6 in). Cut. $.50. JSL.

Topics: lore of jade, mineralogy, California localities, and prospecting advice. Accurate, good bibliography.

4945. -----1965, new edit

Jade | in | California | with illustrations by saj | Pages of History | Box Six, Sausalito, California | 94965 [1965]

Centerstapled: 29, [3(2 blank)]p; 30 text sketches (map). Wrap similar but map omitted; front cover states new edition. Same size. $.95. JSL.

Entirely reset, expanded; a new chapter on jade in the desert.

4946. PALA CHIEF GEM MINES

Tourmalines | California's Most Beautiful Gem | [arrowhead orn] | From The | Pala Chief Gem Mines | Of San Diego County [priv publ, San Diego, nd, ca 1915; cover title only, enclosed in orn rules & small arrowheads at corners]

Centerstapled: 16 p; 27 col photos(tourmaline crystal, remainder tourmaline-set copper or silver jewelry); 4 b&w photos(2 document facsimiles). Pale brown wrap. 17.2 x 12.7 cm(6 3/4 x 5 in). Cut.

Handsome advertising brochure displaying a line of jewelry set with pink and green tourmaline gems. One of the photos shows the exhibit erected by the company at the San Diego Exposition of 1915, another is a portrait of G F Kunz standing before the adit to the Pala Chief mine. The facsimiles are of a check and a letter of payment from Tiffany & Co of New York. The text is brief and describes the properties being mined.

4947. PALACE MUSEUM. PEOPLES REPUBLIC OF CHINA

The Selected Handicrafts From The | Collections Of | The Palace Museum | By | The Palace Museum | Wen Wu Press | Peking 1974

The above was taken from a pamphlet that summarizes the contents of a book, presumably of the same title, but entirely in Chinese as described below, and issued with the book.

8°: [112]p but initial & final f pasted to covers, thus making the book itself of 58 f, or 116 p; 100 col photos. White, coarse-weave unfin cloth, red Chinese characters on cover. Col dj, with col jade carving. Brownish-red endp, floral pattern. 25.9 x 23.5 cm(10 1/8 x 9 1/4 in). Cut. JSL.

Cont: title in dk brown; pref; pls tp; pls; cat; publ data. The pamphlet is centerstapled, [14]f, 25.8 x 23 cm(10 1/8 x 9 in).

Excellent photographs of 100 objects that include about 35 jades and other carvings in lapis lazuli, quartz varieties, pyrophyllite, marble, amber, ivory, glass, and rhinoceros horn. One of the jades is an enormous mountain-carving whose dimensions are given as 224 cm tall and 90 cm wide (ca 90 x 36 in)! Other collection objects are furniture, lacquer, cloisonne, metal, ceramics, and wood, The items are briefly described with period and dimensions given. The accompanying pamphlet is laced with diatribes against the wealthy and landlords and includes quotations from Chairman Mao. Summ by G M Born, 266.

PALACHE, CHARLES, see BISHOP, H R, 1900

4948. PALACHE, CHARLES; DAVIDSON, S C & GORANSON, E A The hiddenite deposit in Alexander County, North Carolina. *Amer Min*, 15, 8, 1930, 280-302, 11 fig, 3 pls. JSL. New mining in this famous hiddenite deposit uncovered more pockets containing hiddenite crystals, some on matrix, quartz, feldspars, beryl, tourmaline, muscovite, rutile, apatite, etc.

4949. PALESTINE GOVERNMENT Report of a committee appointed by government to examine the question of post war regulation of the Palestine diamond industry. *Misc Official Doc*, Jerusalem, 1946, 39 p. Not seen.

PALLAS, PETER SIMON(1741-1811)

Ger naturalist, geologist, traveler; attend universities of Berlin, Halle, Göttingen, Leyden; explored Russia, Siberia, Crimea 1768-94; prof nat hist Imper Acad Sci, St Petersburg.

4950. -----1781 Einige Bemerkungen über den Labradorstein oder schillernden Quartzspath [sic]. *Neue Nordische Beyträge zur physikalischen u geographischen Erd- u Völkerbeschreibung, Naturgeschichte u Ökonomie*, St Petersburg, 2, 1781, 233-54; Nachtrag... ibid, 3, 1782, 407-9. Not seen.

4951. -----1793. Mineralogische Neuigkeiten aus Siberien. Ibid, 5, 1793, 275-300. Includes Mursinka pegmatite minerals. Not seen.

4952. PALMER, JOCK PEGLER

Spring Art Books | Jade | By J.P.Palmer | Spring Books · London [1967]

4°: 44 p; 54 col photos on 24 glossy f bound-in at end; b&w front ill of Chinese jade carver at work; 9 fig("yu" symbol, map, photos). Pale green cloth, large gold "yu" on cover; gold lett spine. Col dj, col photo jade, resume, other bks of publ. 26.7 x 23.7 xm(10 1/2 x 9 1/4 in). Cut. 15s. Later reprintings in thinner bds. JS.

Cont: 1/2tp; front; tp; ackn & publ data; tab cont & pls list; b&w ill list; introd; 6 chs; chrono tabs; notes; pls.

The text is a short but adequate exposition of jade from the mineralogical viewpoint and as a material highly esteemed for its working properties in various cultures, ie, China, Persia, India, New Zealand, and Pre-Columbian America. After the text are dynastic tables for China and the Mughal Empire, and a map showing sources of jades in Asia and the routes from deposits to points of consumption. Text notes and notes on the objects depicted are provided. The color plates, made in Czechoslovakia, are somewhat grainy but nevertheless notable for their faithfulness to the originals and very few books can claim better color fidelity. Most specimens are from collections in the British Museum, Victoria & Albert Museum, and the Fitzwilliam Museum in Cambridge, in which the author is Assistant Keeper. Rev *J Gemm*, 10, 7, 1967, 245, "superb colour illustrations;" *G & G*, 12, 8, 1967-68, 254-5. G M Born, 266-8.

4953. PALUSTRE, L & BARBIER DE MONTAULT, X

Le Tresór | De Trèves | Par | L.Palustre | Ancién Directeur De La Société Française D'Archéologie Et Du Bulletin Monumental | Membre Non Résidant Du Comité Des Travaux Historiques Et Scientifiques | Et | X. Barbier De Montault | Prélat De La Maison De Sa Sainteté | [orn rule] | Paris | A.Picard, Libraire-Editeur | 82, Rue Bonaparte, 82 [nd]

4°: [4], VIII, 60, [4]p; 30 photo pls tip-in(V, VII, IX, X misbound). Orig in paper? Ca 31.75 x 24.5 cm(12 1/2 x 9 3/4 in). Cut. Paper badly browned and embrittled. JSL.

Cont: 1/2tp; tp; introd; 30 short chs each before a pl; tab cont; print data; blank p.

Describes the treasure preserved in the Cathedral of Treves, France, remarkable for the number and variety of its religious relics dated to as far back as early 4th century and including examples up to the 16th century although most are assigned to the 12th century or earlier. The objects include works in gold, part jeweled, enamels, engraved gems, ivories, and others. Of special interest is the reliquary of St Mathias decorated by numerous engraved gems and a large cameo, 10 x 13 cm(4 x 5 1/8 in), shown in Plate 27.

4954. PANCHARATNAM, S On the pleochroism of amethyst quartz and its absorptive spectra. *Proc Indian Acad Sci*, Bangalore, vol 40A, 5, 1954, 196-210. Not seen.

PANKRATOV, A A, see BOBRIEVICH, A P, et al, 1964

4955. PANNIER, LÉOPOLD CHARLES AUGUSTIN(1842-1875)

Les | Lapidaires Français | De Moyen Age | Des XII^{e}, XIII^{e} et XIV^{e} Siècles | Réunis, Classés Et Publiés | Accompagnés De Préfaces, De Tables Et D'Un Glossaire | Par | Léopold Pannier | Ancien éléve de l'école des Chartres et de l'école des Hautes Études | Avec Une Notice Préliminaire | Par Gaston Paris | [logo] | Paris | F.Vieweg, Libraire-Editeur | 67, Rue De Richelieu, 67 | [rule] | 1882

Added tp: "Bibliotheque De L'École Des Hautes Études, Sciences Phililogiques Et Historiques, Cinquante-Deuxième Fascicule."

8°: [3], [1 blank], XI, [1 blank], 340, [2]p. Pale gray wrap, title & series title on cover; other series bks back cover & other surfaces. 23.6 x 15.1 cm(9 1/4 x 6 in). Cropped. LC 14-22541; BM(NH); JSL.

Cont: 1/2tp; print data; tp; pref; text; 2 append; Marbod's list of stones; proper names list; gloss; tab cont; errata.

In two parts, the first describing and analyzing early French lapidaries derived from "Oriental," ie, Near-Eastern sources, and the second treating those of Christian origin. Much space in the first part is devoted to Marbod's lapidary in several versions as well as a considerable discussion of Mandeville's lapidary. The second part traces origins of Christian lapidaries that are based on the twelve stones in the High Priest's breastplate as well as those mentioned in the Apocalypse, in the crown of the Virgin Mary, and in a lapidary fragment attributed to King Philippe of France. Gaston Bruno Paulin Paris, 1839-1903.

PANNIER, L, see MARBOD, 1882

PANOFKA, THEODOR SIGISMUND(1801-1858)

Ger archeologist, writer; b Breslau; prof in Berlin U 1844-.

4956. -----1852 Gemmen mit Inschriften in den königlichen Museen zu Berlin, Haag, Kopenhagen, London, Paris, Petersburg und Wien. *Philologische u hist Abhandl königl Akad Wiss Berlin*, aus dem Jahre 1851, Berlin 1852, 385-519. Not seen; C W King, *Antique Gems & Rings*, 1, 1872, 467: "many plates of inscribed gems but drawn to actual size, and therefore far from giving an adequate idea of the originals." Furtwängler, *Die antike Gemmen*, 3, 1900, 434; Goodland.

PANTHOT, JEAN-BAPTISTE(1640 ca-1707)

Fr physician; b Lyon; MD from Montpellier U; his first major work is below but he later wrote several important medical bks. *Biogr Univ*, 52, 500.

4957. -----1691. Traité de dragons et des escarboucles. Lyon: Thomas Amaulry, 1691. 12° [xxii], 93 p. Not seen; from a bookseller's catalog of 1953 and *Biogr Univ* which states that the work is a refutation of fables about gemstones as reported by ancient naturalists; mentioned are ruby, diamond, coral, pearl, and others, and few remarks on Tavernier.

4958. PAPIER, A

Essai | D'Un | Catalogue Minéralogique | Algérien | Alphabétique Et Descriptif |...[4 lines]...| Par A.Papier |...[3 lines]...| [orn rule] | Paris | Challamel Ainé, Libraire-Éditeur, | Commissionnaire pour l'Algérie, les Colonies et l'Orient. | 27, Rue Bellechasse, Et Rue Des Boulangers, 30. |... [3 other addresses separated by vertical rules]...| 1873

4°: 210, [1]p; fold tabs; pls. Cloth, mbled paper sides. 34.8 x 27 cm(13 3/4 x 11 5/8 in). Badly browned & brittle paper. JSL.

Among the Algerian rocks & minerals classifiable as ornamental materials are agate, calcite onyx, gypsum alabaster, marbles, chalcedony, jade(?), porphyry, quartz, silex, ie, impure chalcedony, and tourmaline. Notes the rarity and general inferiority of the agates, calcite onyx, etc.

4959. PARIS. BIBLIOTHÈQUE NATIONALE Fondation Eugène Piot. Catalogue des camées antiques et modernes. 1897. 8°. 2 parts. Not seen.

4960. -----1899 Collection Pauvert De La Chapelle. Intailles et camées. 1899. 8°: 62 p. Not seen.

4961. -----1930 Cabinet Des Médailles et Antiques: Les pierres gravées. Guide du Visiteur. 1930. 8°: 155 p; 32 pls. Print wrap. Not seen.

4962. PARIS. MUSÉE NATIONAL DU LOUVRE

Catalogue | Des Bijoux | Du | Musée Napoleon III. | [rule] | Seconde Edition. | Rule] | Paris, | Librairie De Firmin Didot Frères, Fils Et C^ie^ | Imprimeurs de l'Institute, rue Jacob, 56 | [rule] | 1862.

12°: [2 blank], [7]p + p 4-242; 2 bound-in pls. Pale orange print wrap. 17.7 x 11.3 cm(7 x 4 3/8 in). Cut. USGS Kunz Coll, GS 34-466.

Cont: blank f(pastedown); 1/2tp; publ data; tp; blank p; fwd; text; pls.

Descriptive catalog of diadems, crowns, jewels of various types, rings, scarabs, ambers, ivories, and other miscellaneous precious objects. See also NOEL DES VERGERS, A , Notice sur le Musée Napoléon III, Paris, Aux Bureaux de la Revue Contemporaine, 1862, 31 p. USGS Kunz Coll, GS 34-691; Barbot De Jouy, J H.

4963. -----1924 Catalogue de très important collier de trois rangs de perles fines et de divers bijoux provenant de la collection Thiers et appartenant au Musée du Louvre dont la vente aura lieu au palais du Louvre, à Paris... Par les soins de monsieur le directeur des domaines de la Seine... Paris [Musée du Louvre] 1924. 12 p, 2 pls. 31 1/2 cm. Adolphe Thiers(1797-1877). USGS Kunz Coll, GS 34-643. Not seen.

4964. PARKE-BERNET GALLERIES INC

Diamond Jewelry Platinum-Mounted | Six Oriental Pearl Necklaces |... [8 lines]...| Unset Emeralds And Diamonds |... [3 lines]...| Precious And Semi-Precious Stones | Property of the Estate of the Late | Adolph Lewisohn | Sold by Order of the Executors | [5 stars] | Public Sale Wednesday, January 31 | at 2 p.m. | Parke-Bernet Galleries · Inc | New York. 1940

Centerstapled: [2 blank], [4], 35, [l]p; 21 photos. Pale blue-gray print wrap; wrap overlaps text. 23.5 x 15.5 cm(9 1/4 x 6 1/8 in). Cut. JSL.

Cont: blank f; sale announcement; tp; price info; sale condits; cat (140 lots); print data.

Nos 94-140 are unset gems of the Lewisohn collection, considered by "the Late Professor George F.Kunz... unusually representative examples mined in the various regions of their provenance," eg a Virginia amethyst of 155.89 carats, a Spruce Pine, NC aquamarine of 12.75 carats, a Siberian oval aquamarine of 172.33 carats, a pink beryl, source unstated, of 153.25 carats, and a sapphire of 491.50 carats.

4965. -----1949

Sale Number 1027 |...[2 lines]...| Chinese Jade Carvings | Snuff Bottles - Early Bronzes | [wavy rule] | Japanese Ivory Carvings | [wavy rule] | Lacquer Inro - Sword Guards | Property of | Estate of the Late | Dr Morton S.Hahn | New York | Sold by Order of the Executor | Two Chinese Private Collectors | And Others | [orn] | Public Auction Sale | January 11 and 12 at 2 p.m. | Parke-Bernet Galleries · Inc | New York. 1949

8°: [6], 74 p; 28 photos. Pale green print wrap, title & illust on cover; spine title. Wraps overlap text. 23.5 x 15.5 cm(9 1/4 x 6 1/8 in). Cut.

Cont: tp; advice; sale condits; order of sale; cat(273 lots).

Lots 97-136, 191-255 snuff bottles; jades & hardstone carvings 137-190, 256-336.

4966. -----1954

Valuable Diamond and Other | Precious-Stone Jewelry |... [13 lines]...| [2 asterisks] | Public Auction Sale | Wednesday, April 28 at 1:45 p.m. | Parke-Bernet Galleries · Inc | New York. 1954 [Sale no 1517]

Centerstapled: [6], 33, [1]p; 16 photos. Pale green wrap, title & jewel on cover; spine title. 23.5 x 15.6 cm(9 1/4 x 6 1/8 in). Cut.

Cont: sale announcement; tp; advice; sale condits; cat(114 lots); print data.

Lot 90 is an "oval faceted aquamarine estimated to weigh about 735 Carats; with conforming silver stand...to the best of our knowledge this is the largest cut specimen in existence."

4967. -----1955 Bensabott collection: an extensive collection of fei-ts'ui jade & other semi-precious jewelry, Chinese jade, rock crystal & other statuettes & figurines, ivories & netsuke... Belonging to R.Bensabott. Parke-Bernet Galleries, 1955. 24 x 16 cm, 66 p, ill, original green wraps. Sale of the stock of the Chicago firm of R Bensabott, noted for its jades. Not seen; from Richard Lyon, bookseller, England, Cat Sept 1987, item 497.

4968. -----1962

The Fabulous Collection of | Precious-Stone | Jewelry | Formed By The Late | May Bonfils Stanton | Denver. Colorado | Sold By Order Of The Executors Of Her Estate | [orn] | Public Auction | Wednesday · November 14 At 1:45 P.M, | Parke-Bernet Galleries. Inc | New York. 1962 [Sale no 2142]

8°: [2 blank], [9], [1 blank], 48, [2], [2 blank]p; photo portr of M B S facing title; 17 photos(8 col). Pale blue-gray charcoal

paper over bds; gold script title on cover; lett spine. 27.4 x 19cm(10 3/4 x 7 1/2 in). Cut. Glossy paper. Also in print wraps, less illust. JSL.

Cont: blank f; sale details; portr; tp; biogr; misc info; sale condits; text tp; cat(24 lots); advert; print data; blank f.

M B Stanton, d 1962, was the daughter of F G Bonfils, publisher & co-founder of the *Denver Post*. This highly important catalog gives details on the Liberator I diamond, acquired in 1946, and the Idol's Eye diamond, acquired in 1947. See Sotheby Parke-Bernet Inc Sale 3570, Nov 7, 1973, for a further disposition of the Idol's Eye. Each of the diamonds, mounted in jewelry, is furnished with a short history. The Idol's Eye, Lot 15, realized $375,000.00 and the Liberator I, Lot 17, $185,000.00.

4969. -----1966

Rare Chinese Jade | Coral & Other Semi-Precious | Mineral Carvings | Water Buffalo Pair of Covered Vases | Incense Burner Statuettes of Kuan Yin | Property of the Estate of the Late | Helen M.De Kay | New York · Greenwich, Connecticut | Sold by Order of the Executors | [orn] | Public Auction. Thursday. December 8 At 1:45 P.M. | Parke-Bernet Galleries · Inc | {{ Affiliated with Sotheby & Co London }} | New York · 1966

8°: [2 blank], [7], [1 blank], 59, [1], [2 blank]p; 30 photos(1 col); Pale grayish-blue wrap, title on cover in pink. 27.3 x 19 cm(10 3/4 x 7 1/2 in). Cut. JSL.

Cont: blank f; sale announcement; tp; sale condits; cat(119 lots); print data; blank f.

Fine examples in agate, jadeite, nephrite, turquoise, many coral pieces, serpentine, and remarkably, an elephant in "blue dumortierite quartz", Lot 50.

4970.-----1969

Sale Number 2795 |...[7 lines]...| Precious & Semi-Precious | Jewelry | Including The Celebrated 'Peregrina' | From The Collection Of His Grace | The Tenth Duke Of Manchester | And Other Sources · Including | Estate Of Francis F.Ingber Philadelphia | Public Auction | Thursday · January 23 at 1:45 p.m. | Parke-Bernet Galleries · Inc | {{ Affiliated with Sotheby & Co London }} | New York · 1969

16°: [4], 89, [3]p; 56 photos. Gray-green print wrap. 25.8 x 17.8 cm (10 1/4 x 7 in). Cut. JSL.

Cont: tp; advice; sales condits; cat(208 lots); commissions; subscripts; print data.

The La Peregrina drop pearl of remarkable perfection of shape and quality, Lot 129, is shown in a photograph on p [55] with information on itself and a brief history; it weighs 203.84 grains and was found in Panamanian waters about mid-16th century; realized $37,000.00.

4971. -----1969

Ruby · Emerald · Diamond | Sapphire & Other | Jewelry | Eleven Unique Opals, Including the Celebrated Flame Queen | from the Kelsey I.Newman Collection | [orn rule] |...[6 lines]...| Public Auction | Thursday · April 10 at 1:45 p.m. | Parke-Bernet Galleries. Inc | -[[Affiliated with Sotheby & Co London]]- | New York. 1969

8°: [6], 101, [1]p; 68 photos(4 col). Gray-green print wrap. 26 x 17.8 cm(10 1/4 x 7 in). Cut. JSL.

Cont: sale info; tp; sales condits; cat(181 lots); print data.

The Flame Queen, certainly one of the most remarkable precious opals ever found in Australia is shown in color with other opals from the Newman collection(p 72 with a small index diagram).It is unmounted, approximately oval in shape, and weighs 233 carats, and sold for $37,500.00. The Newman collection is described on p 68 and the Flame Queen description and history p 69, the data being taken from W Eyles' *The Book of Opals* and F Leechman's *The Opal Book*; there is also a statement taken from I Kozminsky's *The Magic and Science of Jewels and Stones*, in which book the Flame Queen is illustrated in color. The above works are described elsewhere in this bibliography. See also Christie's International S. A. auction catalog of November 21, 1973, p 107, where the Flame Queen again came up for auction and was illustrated in color.

4972. -----1969

Medieval And | Renaissance Jewelry | And Vessels Of | Rock Crystal And | Other | Semi-Precious Stones | The Melvin Gutman Collection | Part I | Sold by Order of the Executors of His Estate | Public Auction | Thursday. April 24 at 1.45 p.m. | Parke-Bernet Galleries · Inc | [Affiliated with Sotheby & Co · London] | New York. 1969 [Sale no 2842]

In six parts, separately described.

I.: 8: [8], 86, [6]p; 105 photos(4 col, fold). White wrap, black bands at top & bottom; title on cover with col photo; spine title. 26.1 x 17.8 cm(10 1/4 x 7 in). Cut. $4.00; by mail $5.00. JSL.

Cont: announcement; tp; advice; sales condits; introd; cat(145 lots); biblio(21 entries); announcement; subscript advice; other offices back cover.

"This sale is the first of a series... that will disperse what is believed to be the largest collection of antique jewelry ever formed by a single individual. Its greatest strength lies in the range of splendid jewels dating from the Renaissance." The Late Melvin Gutman began his career as a stockbroker but later turned to retailing antique jewelry, keeping the finest pieces for his personal collection. In time, he became one of the few recognized authorities in this field. The catalog notes "the most striking feature of the Gutman Collection is the wealth of documentation which accompanies it." Among items of special interest are numerous engraved gems, unset or mounted, lots 70-81, Renaissance pendant jewels using baroque pearls and precious stones, and many vessels carved from hardstones and fitted with jeweled & enameled mountings. The many b&w photos are good, the color photos fine.

4973. -----1969, Part II

Medieval And | Renaissance Jewelry |...| Part II |...| Public Auction | Friday. October 17 at 1:45 p.m. |...| New York. 1969 [Sale no 2920 but an inserted erratum slip states it is actually no 2910]

8°: [6], 96, [6]p; 110 photos(4 col). Similar lots.

4974. -----1969, Part III

Greek · Etruscan · Roman | And Egyptian | Gold & Silver Jewelry | · | A Group Of | Rock Crystal Vessels | The Melvin Gutman Collection | Part III | Sold by Order of the Executors of His Estate | Public Auction | Friday · December 5 at 1:45 p.m. |...| New York · 1969 [Sale no 2947]

8°: [10], 83, [3]p; 132 photos. Cameos & intaglios set in rings, also jeweled rings, stone vessels and sculptures.

4975. -----1970, Part IV

Fine European | Miniatures, Cameos | And Intaglios Of | the 16th-19th Centuries | European & Near-Eastern | Jewelry And | Objects Of Vertu | The Melvin Gutman Collection | Part IV | Sold by Order of the Executors of His Estate | Public Auction | Friday. April 3 at 2 p.m. |...| New York · 1970 [Sale no 3018]

8°: [6], 85, [5]p; 69 photos(1 col). Fine engraved gems, jewels, devotional pendants employing pearls, coral and stones, several hardstone carvings & vessels.

4976. -----1970, Part V

Medieval, Renaissance, | Baroque & Victorian Rings | Set With Gem Stones, | Cameos And Intaglios | & | A Collection Of | Renaissance To 17th Century | Gold Medals | The Melvin Gutman Collection | Part V | Sold by Order of the Executors of His Estate | Public Auction | Friday · May 15 at 2 p.m. |...| New York. 1970 [Sale no 3051]

8°: [3], [1 blank], 86, [4]p; 170 photos. Rings of various types, lots 1-140 D; remainder gold medals.

4977. -----1971, Part VI, Final Gutman Sale

The Sixth & Last Sale | Of | Jewelry | And | Objects De Vertu | The Melvin Gutman Collection | Part VI | Sold by Order of the Executors of His Estate | Public Auction | Tuesday · December 7 at 2 p.m. |... | New York · 1971 [Sale no 3284]

8°: [8], 61, [3]p; 76 photos. Notable objects in rock crystals, coral, an agate bust, gem & pearl jewelry, several engraved gems, ancient jewelry, and several Victorian pieces.

4978. -----1969

Sale Number 2861 |...[2 lines, rule, 3 lines, rule]...| Precious & Semi-Precious | Jewelry | [orn] |...[5 lines]...| Public Auction | Thursday · May 15 at 1:45 p.m. | Parke-Bernet Galleries · Inc | {{ Affiliated with Sotheby & Co London }} | New York · 1969

8°: [4], 99, [1] p, bound in 10's; 67 photos. Blue-green ribbed paper wrap, pale gray title on cover with col jewel; spine title. 26 x 17.8 cm (10 1/4 x 7 in). Cut.

Cont: tp; advice; sales condits; cat(274 lots); print data.

In addition to typically modern pieces, this sale included a collection of antique jewelry, lots 172-203, a splendid 19th century gold & emerald stomacher by Castellani of Rome, Lot 210, illustrated, and a marquise pink diamond of ca 12.75 carats mounted in a ring which sold for $47,500. The Castellani piece is remarkable for its minutely detailed scrolls and ribbons with enameled grounds, in which are set 10 cameo emeralds, with a large emerald drop and six smaller emerald drops; it sold for $3,000.

4979. -----1970

Magnificent | Jewels Including | The | Renowned | Nassak | Diamond | Ring | Various Owners · Including | Estate of the Late Sara I.Sommer | Public Auction | Thursday. April 16 at 2 pm. | Parke-Bernet Galleries · Inc | -[Affiliated with Sotheby & Co London]- | New York. 1970 [Sale no 3026]

16°: [2 blank], [4], 141, [1] p; 92 photos(4 col); text sketch. White wrap, Nassak photo on cover. 28 x 17.5 cm(10 1/4 x 6 7/8 in). Cut. JSL.

Cont: blank f; tp; notices; sale condits; cat (177 lots); print data.

Auction notable for sale of two very important gemstones: the magnificent Australian black opal, Lot 147, ca 103.68 carats, called the 'Aurora Australis,' which sold for $13,500.00 and the Nassak diamond, Lot 163, a 43.38 carats, which sold for $500,000.00; this weight is after its latest recutting. The present catalog reproduces a page of an auction catalog of 1837 during which sale this diamond was called the 'Nassack' and it weighed 357-1/2 grains. There is also a sketch of the diamond's cut at the present time and a statement of quality by the Gemological Institute of America. The brief history of the stone is taken from E W Streeter's *The Great Diamonds of the World*. Additionally, there is a photograph of a replica of the diamond before recutting and a bibliography, plus a photograph of the diamond itself mounted in a ring(p [135]).

4979A. -----1970

Russian Works Of Art | Commemorative Medals | Jetons | Icons |...| Porcelain And Glass |...| Silver |...| Bronzes | Objets De Vertu |...| Enamels |...| Works of Art By Carl Fabergé | Including an Important and Rare Carved Hardstone Figure of a Starets, |...| Property Of The Satra Corporation · New York | Officially Acquired In The USSR |...| Public Auction · Tuesday and Wednesday | October 27 and 28 at 10:15 a.m. and 2 p.m. | Parke-Bernet Galleries · Inc |...| 1970

Cementb: [10], 349, [1]p; numerous b&w photos. White, glossy wrap, col photo of Fabergé carving of starets on cover; info inside covers. 26 x 17.7 cm(10 1/4 x 7 in). Cut.

Cont: sale announcement; tp; notes; sale conditions; sale order(4 sessions); fwd; biblio(medals only); text; commission rates.

Highlight: item 721, called "starets" in the title, or "elder," but called "bogomoletz," or religious pilgrim in the item description. This figure appears in color on the cover; it is typically Fabergé in several colored gemstones and enamels. Included in the catalog are many malachite veneer items, large jasper urns and other objects, rhodonite pieces, carved quartz and other hardstone seals, and other objects made wholly or in part from stone. Some of the pieces are monumental in size and this catalog is valuable for showing the type pieces that were turned out by skilled Russian lapidaries during tsarist times.

4980. -----1971

Valuable | Precious-Stone Jewels | Including a Group of Rare Indian Jewelry | Collected by | Madame Ganna Walska | And Sold By Her Order | [star] | Public Auction | Thursday · April 1 at 2 p.m. | Parke-Bernet Galleries · Inc |...| New York · 1971

Cementb: VII, 69, [1 blank], [2]p; 40 photos(2 col). White print wrap, title on cover with col photo on blue rectangle; broad gold vertical band; spine title; broad gold band back cover. 27.4 x 19 cm(10 3/4 x 7 1/2 in). Cut.

Cont: sale announcement; tp; advice; sale condits; introd; cat(146 lots); blank p; offices; print data.

A most interesting collection formed by the well-known opera and concert singer of two continents during the 1920's and through the 1940's. "Long before the present popularity of large jewels, Mme. Walska designed and collected for herself huge necklaces, brooches and bracelets, not popular then but

very much in fashion now." Included are numerous pieces of Indian jewelry employing diamonds, emeralds and rubies in typical goldwork of rich detail, also a remarkable bangle carved from chalcedony in open-work and supporting a large star sapphire(sold for $3,000), the famous 'Mogul' carved emerald pendant weighing ca 200 carats(sold for $54,000), a bright yellow briolette diamond pendant weighing ca 95 carats($55,000), and a most unusual butterfly pin whose wings are flat faceted diamonds with large tables, the latter engraved with lines forming ribs and one of the very few verified examples of engraved diamond; this pin sold for $24,000.

4981. PARKER, ELIZABETH F

Amber | By | Elizabeth F.Parker |...[sonnet, 6 lines, signed K.B.]...| [orn] | Published by | Emergency Fund for Russian Refugees | in Constantinople and the Balkan States | Boston, 1922

Centersewn: 14, [2]p, last p blank. Coarse, textured, pale brown wrap, deckle-edged, title on cover. 19 x 12.3 cm(7 1/2 x 4 7/8 in). The last p of lett bears facsimile sig of author. JSL.

Mainly curious lore associated with amber with some facts on its natural history and properties.

PARKER, ROBERT LÜLING(1933-1973)

B London; stud Paris, Freiburg i. Bremen, Zurich U; spec mineralogy & petrography; to fac Eidgen Tech Hochschule; numerous writings on Alpine mineralogy & petrography.

4982. -----1951 Vergleichende Untersuchungen über die Lichtausbeuten an Brillantschliffen. *Schweiz Min-Petrogr Mitt*, 31, 1951, 132-74, 12 figs. not seen. Traces light paths through brilliant-cut gems of diamond and synthetic rutile and tabulates percents of light return for different style cuts.

PARKES, B, see CRAIG, D B

PARKINSON, JAMES(1755-1824)

Brit physician, amateur geologist; b Hoxton; attended lectures John Hunter in medicine; practise in Hoxton 1785-; orig mbr Geol Soc; important medical writings include essay on shaking palsy, appendicitis (recognition of perforation as death cause); described Parkinson's disease 1817; implicated in so-called "pop-gun plot" to assassinate George III. DNB.

4983. -----1804-1811 Organic remains of a former world... 3 vols London: J. Robson, etc, 1804,-08, -11. Price £ 8-8s. Fronts; col pls. Reissued in 1820. Not seen. Ward & Carozzi, 1735; Dewalque, 3148(gives a set as "London, Sherwood, 1803-20, 3 vols in 4; figs, col"); Agassiz IV, 77.

4984. -----1833, 2nd edit

Organic Remains Of A Former World. | [rule] | An Examination Of The | Mineralized Remains Of The Vegetables And Animals | Of The | Antediluvian World; | Generally Termed Extraneous Fossils. | [rule] | By James Parkinson. | In Three Volumes. | [woodcut vignette of a crinoid, below, on each side:] | Encrinus Stone Lily | The First Volume; | Containing The Vegetable Kingdom. | Second Edition. | [rule] | London: | M.A.Nattali, 24, Tavistock-Street, Covent-Garden. | [rule] | M.DCCC.XXXIII. | T.Combe, Junior, Gallowtree-gate, Leicester. [1833]

Other volume titles "...The Second Volume; | Containing The Fossil Zoophytes... [and]... The Third Volume; | Containing | The Fossil Starfish, Echni, Shells, Insects, Amphibia, Mammalia, &c. ...", else same.

I: 4°: xii, 460, [4]p; front tip-in engrav pl + 10 others bound-in & hand-col; all plates depict a number of objects. Dull-green cloth, blind frames on covers enclosing large floral orn; blind rules on spine with gold title; pale yellow endp. 28.7 x 22 cm(11 1/4 x 8 5/8 in). Uncut.

II: xiv, [1], 286, [21], [7]p; front tip-in engrav hand-col pl; 19 others, all col save one, and another col in part.

III: xii, [4], 467, [4], [16]p; front tip-in engrav hand-col pl; 22 others hand -col. LC 12-6329.

Cont: I: pl; tp; dedic; pref; tab cont; 48 chs; pls; index(strata pl inserted at p 1275; II: 1/2tp; pl; tp; tab cont; blank p; pref; description of front; blank p; 29 chs; pls explanations; blank p; pls; index; directions to binder; other works of publ; blank p. III: front; tp; pref; tab cont; 33 chs; index; pls; pls descriptions(preliminaries in III do not collate, there being a leaf missing or one removed but the text appears complete).

While devoted to fossils as a whole, this work is of considerable interest to the lapidary and gemologist because the author includes much information on silicified woods, amber, and jet, with remarks on their uses in the lapidary arts! These may be found in the first volume in "letters"(ie, chs) 6, 7, 15, 22, 29-37. Parkinson notes the early mentions of silicified woods by ancient writers as Theophrastus, Eratosthenes, Pausanias,and later, such authors as Agricola, Kircher, and De Boodt. He also notes numerous localities in Europe, considers carefully the processes by which silicification can occur with comparisons of the several views held by others in this regard, describes in detail the origins and natures of amber and jet, and later digresses into discussions of siliceous pebbles and agates, mentioning at the same time such materials as tabasheer, opalized wood, precious opal, and hydrophane. While his contributions to the knowledge of amber are not remarkable, his assemblage of information on the many types of silicified fossils and other forms of silica is a most impressive contribution and easily the largest to be published up to the time. Much of it is rewarding reading even now and one can only wish that it could be extracted some day and published separately. The importance of this work was early recognized by Gideon Mantell in his *Pictorial Atlas of Fossil Remains*, 1850, p xiii who remarks "it was the first attempt to give a familiar and scientific account of the fossil relics of animals and plants, accompanied by figures of the specimens described." John Challinor, *Annals of Science*, 6, 1948, states "its appearance was the outstanding event in the history of our scientific knowledge of British fossils."

4985. -----1977, reprinted in facsimile, New York: Arno Press, "History of Geology" series, the 1833 edition in 3 vols, $75.00. LC 77-6534; ISBN 0-405-10454-5. Not seen.

4986. PARKINSON, KENNETH(d 1981)

Birthstones | And | Talismanic Gems | [orn] | Kenneth Parkinson, | F.G.A. [Hull, 1948]

Centerstapled: [16]p. Pale gray wrap, title with facet gem on cover. 20.3 x 13.5 cm(8 x 5 1/4 in). Cut. Price 1 s. JSL.

After a brief introduction, describes the birthstones, lore, symbolism, etc, with a list of stones vs months and a last page of advertising matter. Another issue, identical, but called a "Second Edition" in pale blue paper, 21.2 x 14 cm(8 1/4 x 5 1/2 in). Same price.

4987. -----1951

A | Gemmologist | In | Ceylon | By Kenneth Parkinson, F.G.A. [wrap title only; priv publ Hull, 1951]

Centerstapled: 18, [1 advert]p. Pale gray-blue print wrap, 20.5 x 15.1 cm(3 x 5 7/8 in). Cut. The cover bears photo of the author.

Experiences and sights in Ceylon by a gem merchant of Hull, England, with remarks on gem mining, native cutting, and gem buying. Compiles articles first published in *The Gemmologist*, London, 20, no 235, 1951, p 23-8; no 236, 49-54; no 238, 99-103; ns 239, 142-5.

PARKS, WILLIAM ARTHUR(1868-1936)

Canadian geologist; PhD Toronto U, later prof geol & dept head 1922- 36; director Roy Ont Mus; Fellow Roy Soc Canada & pres 1926.

4988. -----1912-1917

Canada | Department Of Mines | Mines Branch |...| Report | On The | Building and Ornamental Stones | Of | Canada | [rule] | Vol.I [-V]. | [rule] | By | Wm. A.Parks, B.A., Ph.D. | [coat-of-arms] | Ottawa | Government Printing Bureau | 1912 [-17] | No.100 [203, 279, 388, 452]

In five uniform volumes. GS 12-825.

I; 8°: [1 blank], [1], xiii, [1 blank], 376, vi, [2 blank]p; 77 pls (photos, maps, some fold) bound-in & not includ in pag; 21 fig. Pale brown thick paper wrap, title on cover; cloth inner hinges. 24.7 x 16.4 cm(9 3/4 x 6 1/2 in). Cut. Loose errata sheet. Nine pls col; 3 with lett tissues. Also issued in olive buckram.

II: Report |...| Vol.II | [rule] | Maritime Provinces |...| 1914 | 31397-A No.203

8°: [2 blank], xii, 264, x, [2 blank]p; 45 pls bound-in & tip-in, some with tissues(photos, fold map, sketch maps) & not includ in pag; 9 fig. Five col pls, 3 with lett tissues; the front pl is tip-in.

III: Report |...|Vol.III. | [rule] | Province Of Quebec |...| 1914 | No.279

8°: [1 blank], [1], xiv, 304, xii, [2 blank]p; 52 pls(3 fold maps, 2 part col, photos, etc) & not includ in pag; 12 fiG. Thirteen col pls, 3 with lett tissues. IV: Report |...| Vol.IV. | [rule] | Provinces Of Manitoba,Saskatchewan, And Alberta |...| 1915 No.388

8°: [1 blank], [1], xiv, 333, [1 blank], [1], [1 blank], xxiii, [3 blank] p; 56 pls(includes 9 col) not includ in pag; 7 fig(2 fold diagrs, fold map part col). Col pls with tissues, 2 with lett tissues.

V: Report |...| Vol.V. | [rule] | Province Of British Columbia |...| 1917 No.452

8°: [1 blank], [1], xiii, [1 blank], 236 p; 47 pls(13 col, 2 with lett tissues, others plain tissues); 3 fig(part col fold maps).

All volumes in excellent detail and richly illustrated with photographs of quarries, outcrops, buildings, processing plants, and with colored photographs of polished stone samples. Few reports on stones, regardless of nation, can compare with these for completeness and illustration. The first volume is general, topics being genetic types of stone, properties, deposit geologies, criteria for suitability, quarrying, dressing, etc, and economical considerations, and following which appears the systematic description of the stones of Ontario. In addition to the usual types appear such ornamental stones as iridescent and colored feldspars, the famous sodalite from near Bancroft, talc, a "starry" amphibolite, and other less common stones. The second volume for the Maritime Provinces includes Ch 11, p 209-14, in which are described agates, amethyst, chalcedony, jasper, talc, pyrophyllite and other remarkable stones. The third volume for Quebec includes Ch 11, p 255-9, on jaspers, a fuchsite schist, feldspars, agalmatolite, and agates. The fourth volume treats minor occurrences of marble, anhydrite, and silicified wood. The final volume, for British Columbia, devotes most space to igneous rocks and marbles; of particular interest is a section on the Ice River sodalite which has been cut into gemstones.

4989. -----1922 The building and ornamental stone trade in Great Britain. *Canada. Mines Branch Publ* 669, p 39-59. Not seen.

PARLATI, CARLO, see ULIANO, ANTONIO

4990. PARONA, C Il corallo in Sardegna. *Annali dell'Industria*, Roma, 1882; Roma, 1883, 104 p, 4 maps. Not seen.

4991. PARROT, ANDRÉ LAMBERT, MAURICE

Glyptique mesopotamienne, fouilles de Lagash (Tello) et de Larsa (Senkereh)(1931-1933). Paris 1954, 95 p, 16 pls. Wrap. 27 x 21 cm. Not seen: Thomas Heneage, London, Cat 8, 1984, no 347. Describes 325 seals; 319 are illustrated.

PARROT, GEORGE FRÉDÉRIC, or GEORG FRIEDRICH(1767-1852)

Distinguished Fr writer; b Montbeliard; emigrated to Esthonia to become prof physics in Dorpat(Tartu) 1800; mbr St Petersb Acad Sci 1826.

4992. -----1832 Notice sur les diamans de l'Oural. *Mém Acad impér St Petersb*, ser 6 Sc math phys et nat, vol 3, 1832, p 23-33; engrav pl. JSL. Brief descriptions of 29 diamond crystals found in gravels upon Count Polier's estate in the Ural Mountains in 1829. The stones were in possession of his widow at the time of examination. Gives remarks on possible sources and provides an engraved plate showing a diamond crystal, much enlarged, and inclusions in same.

4993. PARRY, ALBERT The jewel-box of Russia. *Asia*, 31, Apr 1931, 206-14, 259-62; 13 photos. JSL. Excellent article on Russian gemstones and the craftsmen who work them into the finished products; numerous photographs of same, also of famous jewels in the Tsarist hoard of gems and jewels. The author resided in Russia from his youth and thus lends authority to his article although much of it appears based upon A E Fersman's writings insofar as technical, historical, and lapidary matters are concerned.

PARSHAD, L J, see MIDLEMISS, C S

4994. PARSONS, ARTHUR LEONARD(1873-1957)

Iridescent color in peristerite. *Amer Min*, 15, 3, 1930, 85-97, 3 fig. Primarily on the material found near Hybla, Ontario but containing a useful review of previous work on the phenomena of peristerism in albite. Attributes color to reflections and interferences in twinning lamellae.

PARSONS, CHARLES ALGERNON(1854-1931)

Brit mfr, inventor, noted principally for his designs and manufacture of modern steam turbines. DNB.

4995. -----1918 The formation of diamond. *J Inst Metals*, London, 20, 1918, 5-24. Not seen.

4996. -----1919 III.Bakerian Lecture, 1918. - Experiments on the artificial production of diamond. *Phil Trans Roy Soc London*, Ser A, 220, 1919, 67-107, 12 fig. Also separate in green print wrap. JSL. Describes now-famous experiments on synthesis of diamond: 1 high static pressure combined with electrical resistance heating, 2 shooting rifle bullets into carbon-rich masses confined inside cylindrical recesses, and 3 sudden cooling of carbon-rich metal masses, and others, all briefly summarized in a resume at the end of the article. Some "crystals" were produced in some of the experiments but could not be certainly identified. This paper re-appears in his collected works described below.

4997. -----1934

Scientific Fapers And Addresses | Of | The Hon. | Sir Charles Parsons | O.M., K.C.B., F.R.S. | With a Memoir by | Lord Rayleigh | and Appendices. | Edited By | The Hon.G.L.Parson | Cambridge | At The University Press | 1934

8°: [2 blank], xxviii, [1], [1 blank], 260 p; glossy front portr pl bound-in; many other photos, ill on glossy bound-in f; many text fig. Dk blue cloth, blind frames on covers; gold spine title & logo. 26.8 x 18.1 cm(10 1/2 x 7 1/8 in). Cut. JSL.

The excellent and often amusing memoir by Lord Rayleigh, entitled "Some personal reminiscences of Sir Charles Parsons" appears on p xv-xxviii, and contains remarks on Parson's unsuccessful attempts to synthesize diamond. Parson's "Experiments on the artificial production of diamond" appears on p 214-37 with the text figures of the original article, In addition, there is another article entitled "Experiments on carbon at high temperatures and under great pressures, and in contact with other substances," p 205-9, originally published in *Phil Mag*, London, Sept 1893, that contains a remark by Parsons stating that he obtained some diamond and that tests conducted by Professor Crookes led the latter to say that these particles behaved like diamond; however, it is now known that diamond was not produced by Parsons and indeed the P/T region in which the attempts were made ruled out the possibility of synthesis.

PARSONS, CHARLES JAY(1894-1973) & SOUKUP, EDWARD JAMES(1908-)

Parsons self-educated gemologist, originally in US Navy as an electrician, chief warrant officer 1940; retired to San Diego, Calif 1946, devoting himself to teaching gemology and writing numerous articles in this field. Obits *G & G*, 14, 6, 1973, 192; *Lap J*, 27, 8, 1973, 1268; biogr by D M Swanson, ibid, 27, 2, 418-29, portr. Soukup educ San Diego State Coll; WW II career in US Navy; ret as chief petty officer 1946; entomologist in State of Calif service, ret 1965; post-retirement career like that of Parsons.

4998. -----1956-59 Gemology for the rockhound. *Gems & Mins*, no 220, Jan 1956, p 15 to p 98 of no 254, Nov 1958(exam question number), plus nos 259, Apr 1959 and 260, p 80 ff(answers). JSL.

4999. -----1957

Gem Materials | Data Book | Compiled by | Charles J.Parsons, C.G., F.G.A. | and | Edward J.Soukup, G.G., F.G.A. | [taper rule] | Contents |... [13 lines]...| [box enclosing:] Published by | Gems & Minerals | The Leading Gem and Mineral Hobby Magazine | P.O.Box 687, Mentone, Calif. | Copyright 1957 by Don MacLachlan | [orn, with caption "a GEMBOOK"]

Top-edgestapled: 35, [1 blank]p. Bright yellow, thick paper wrap, cover title. 30.7 x 22.9 cm(12 x 9 in). Cut. Inside front covers contains the introd. JSL. Cont: to & tab cont(cover); introd; tables; blank p. LC 58-20099.

Compiles property data and descriptions of many gemstones and their varieties in alphabetical arrangement followed by shorter tables of properties and tables of gem name pronunciations and false or misleading names. First issue severely criticised by B W Anderson, *The Gemm*, 27, 320, 1958, 56-7 because of numerous factual errors and misspellings; these were largely corrected in subsequent printings; See also R Webster, *J Gemm*, 6, 6, 1958, 269-70; *G & G*, 9, 4, 1957/58, 121. The format and styling made this a very convenient desk reference but not many copies were printed and the work is now very scarce,

5000. -----1961

Gems and | Gemology | A Popular Presentation of the | Science Of Gemology | For the Amateur, Collector and Connoisseur | By Charles J.Parsons | Certified Gemologist, American Gem Society | Fellow, Gemmological Association of Great Britain | and Edward J.Soukup | Graduate Gemologist | Fellow, Gemmological Association of Great Britain | [logo]] Gembooks | Mentone, California [1961]

8°: VIII, 160 p (p I-II blank); ca 165 fig; 7 tab. White, glossy wrap, title & decor on covers in black & red. 22.8 x 15.5 cm(9 x 6 in). Cut. $3.00. JSL. Cont: blank f; tp; publ data; pref; tab cont; introd; 22 chs; append; other publ bks. LC 61-66499.

Excellent; in clear, straightforward language for beginners. Topics: nomenclature, gemstone geneses, properties, crystallography, inclusions & significance, synthetics & imitations, lapidary treatment, gem testing instruments, testing instructions & suggested standard routine, sample problems and solutions, with appendix containing numerous identification tables, a list of misleading names, and pronunciation guide. Rev R Webster, *The Gemm*, 31, 367, 1962, 28-9; *J Gemm*, 8, 5, 1962, 208. This work achieved considerable popularity and deservedly so; on special request of the authors, the publisher had bound in maroon cloth, gilt, only 20 copies, now rare.

5001. PARSONS, CHARLES JAY

Practical Gem Knowledge | For The Amateur | By | Charles J.Parsons, G.G., F.G.A. | Copyright Lapidary Journal, Inc., 1969 | First Edition | First Printing..... September, 1969 | Compiled and Edited By | Pansy D.Kraus, G.G., F.G.A. | Associate Editor | Planning and Direction By | Hugh N.Leiper, F.G.A. |...[3 lines]...| Published By | Lapidary Journal, Inc. | P.O.Box 2369 | San Diego, California 92112 | Printed In The U.S.A. By | Arts & Crafts Press | San Diego, Calif. | iii

Cementb: vi, 140, [2 blank]p (p i-ii blank); ca 530 photos mostly of inclusions; ca 60 line drawings. Green, heavy paper wrap, yellow title on cover & white decor; 2 col photos of faceted gems; plain back cover. 29.2 x 21.8 cm(11 1/2 x 8 5/8 in). Cut. $3.98. JSL.

Cont: blank f; tp; fwd; tab cont; 31 chs; append(biblio, p 140, 9 entries); blank f.

Typically written in simple, clear language and compiling articles originally published in *Lap J*, Oct 1964-Jul 1968, with revisions. First 15 chapters on nomenclature, properties,

crystallography, optical phenomena, color, inclusions, synthetics & imitations, testing procedures and instruments used, after which appear the remaining chapters on descriptions of gemstones, with organic materials treated in the last two chapters. The strong interest of the author in inclusions is apparent with much text devoted to same and hundreds of inclusion photographs; these form a most valuable part of the work. Rev *G & G*, 13, 3, 1969, 103. Reprinted several times commencing in 1970.

PARSONS, W H, see INSLEY, H, et al

PARTRIDGE, F C, see VAN EEDEN, O R, et al

5002. PARTSCH, PAUL MARIA(1791-1856) Beschreibendes Verzeichniss einer Sammlung von Diamanten und der zur Bearbeitung derselben nothwendigen Apparate, Welcher Sr.Majestät den Kaiser für das K.K.Mineralien-Kabinet in Wien dargebracht wurden von dem K.K.Hofjuwelier M.Cohen. Wien, 1822, 4°. Not seen; ref from H Emanuel, *Diamonds and Precious Stones*, 1865 and Pogg 369; pag not given.

PASCAL, PAUL, see FLAHAUT, JEAN

PASQUARDI, D, see ARDENTE ETEREO

PASSERI, G B, see GORI, A F & MONALDINI, V

5003. PATCH, SUSANNE STEINEM

Susanne Steinem Patch | Blue Mystery | The Story of the | Hope Diamond | Smithsonian Institution Press Washington, D.C. 1976 [title in blue & black]

Cementb: 64 p; col front photo(Hope diamond) + 3 others; 24 b&w photos. Thick, glossy col wrap, exterior brown, col photo of Hope diamond on cover with white title; white spine title; inside wraps blue. Part title in white on blue paper; blue headlines. 25.7 x 21.5 cm(10 1/8 x 8 1/2 in). Cut. $3.95. Smithsonian Press No 6107; LC 75-619404; ISBN 0-87474-165-3. JSL. Also in hard cover, white cloth dj.

Cont: 1/2tp; front; tp; publ data; tab cont; dedic; fwd; pref; ackn; text tp; 3 text parts; notes; chronology; Hope diamond data; biblio(p 64, 10 entries).

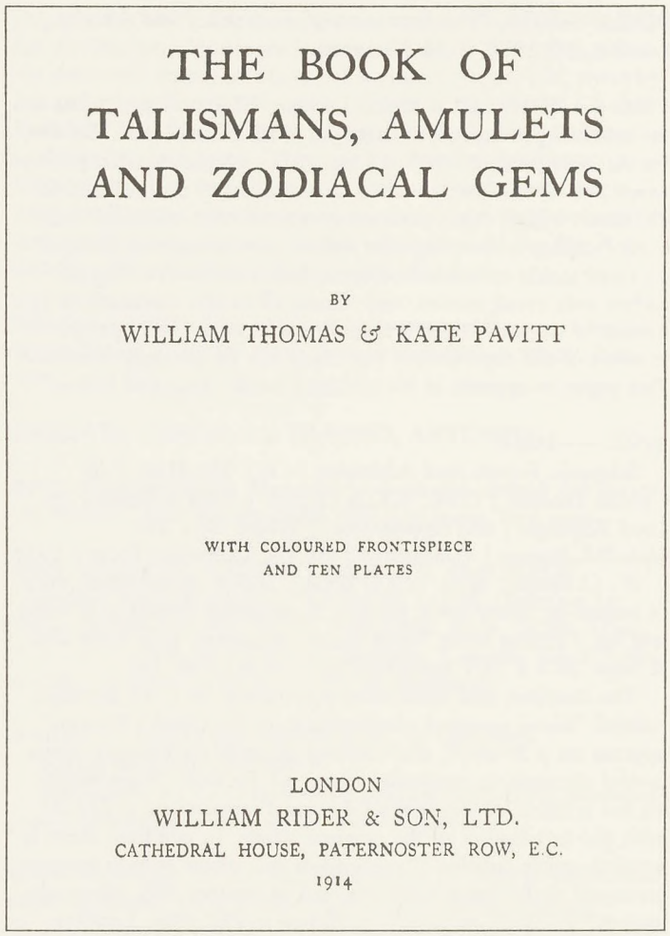
Attractively-produced definitive history of the blue Hope Diamond now in the collections of the Smithsonian Institution in Washington, D.C. The first part reviews early knowledge of the stone from its first appearance as a much larger blue diamond brought to France by the Parisian jeweler, Jean-Baptiste Tavernier(1605-1689) from India. The second part describes the speculative portions of this history, particularly when the blue diamond was stolen from the French crown treasure, and presumably recut to yield two stones, one of which became the Hope diamond. The third part evaluates the legend, and at the close, provides notes, the chronology of events in the history of the Hope diamond, physical data determined upon the stone by unsetting and testing, and a bibliography. See TAVERNIER for voyages in which the blue diamond in mentioned.

5004. PATERNO CASTELLO, IGNAZIO VINCENZO(1719-1786), Prince of Biscari

De Vasi Murrini | Ragionamento | D'Ignazio Paterno Castello | Principe di Biscari | &c. &c. | Accademico della Crusca | [orn] | 1781.

Catania, Sicily(?); entire title engrav & enclosed in engrav frame.

4°: tf; 39, [1], [2 blank]p; a-e^4; 2 engrav pls. 25.9 x 19.7 cm(10 1/8 x 7 3/4 in). Cut. JSL.


THE BOOK OF TALISMANS, AMULETS AND ZODIACAL GEMS

BY

WILLIAM THOMAS & KATE PAVITT

WITH COLOURED FRONTISPIECE AND TEN PLATES

LONDON

WILLIAM RIDER & SON, LTD.

CATHEDRAL HOUSE, PATERNOSTER ROW, E.C.

1914

5007. The Pavitts' book on talismans, etc, proved to be very popular; about half is taken up by curious lore of gemstones

Cont: tf; dedic; text; errata; pls.

Paterno reviews previous writings on the troubling problem of the identity of the murrhine material and expresses the opinion that it may have been amber. The two plates depict vases, one of which is labeled "vaso di opale" and obviously of Renaissance workmanship. Dedicated to the Volterran prelate, Mario Guarnacci(1701-1785), also noted as an antiquary. Rare.

5005. PATKANOV, K P Dragotsennye kamni, ikh nazvaniya i svoistva po ponyatiyam armyan v XVII veke [Precious stones, their names and properties as understood by Armenians of the 17th century]. *Trudy Vostochnogo-Sibirskogo Otdelenie Russkom Arkheologicheskikh Obshchestva*, 17, 1874, 1-92. Not seen.

PATRICKSON, Madame, see P, MADAME

PATRIN, E L M, see BUFFON, 1801, 1803

5006. PATTON, HORACE R Topaz-bearing rhyolite of the Thomas Range, Utah. *Bull GSA*, 19, 1908, 177-92, Pls 12-13. Locates & describes Topaz Mountain, the host rock, cavities in same, and topaz crystals and other minerals associated with same. The plates depict lithophysae and topaz crystals. JSL.

5007. PAVITT, WILLIAM THOMAS & PAVITT, KATE

The Book Of | Talismans, Amulets | And Zodiacal Gems | By | William Thomas & Kate Pavitt | With Coloured Frontispiece | And Ten Plates | London | William Rider & Son, Ltd. | Cathedral House, Paternoster Row, E.C. | 1914

8°: xix, 292 p; col front pl on glossy paper with tissue; 10 other tip-in glossy pls. Grayish-blue cloth, horizontally streaked in pale blue; gold winged amulets on cover with title & authors; gold lett, rules, spine. 21.7 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; front; tp; dedic; pref; tab cont; pls list; 24 chs in 2 parts; biblio(p 283-4, 36 entries); index.

This interesting and carefully researched work is one of the standard texts on the subject in the English language. The first part of 12 chapters treats the influence of talismans and talismanic gemstones used in various cultures in various lands, citing many examples to support its conclusions. The second part, also in 12 chapters, deals with the signs of the zodiac and includes remarks on the great importance of talismanic gems in connection with superstitions associated with these signs. While considering all types of talismans and amulets, the authors give due importance to gemstones, thus providing a useful source of information that remains valuable even today. The frontispiece plate in full color illustrates twelve gems, symbols, and glyphs of the zodiac while the other plates show small drawings of several types of amulets and talismans. The popularity of this work is evidenced in numerous reprintings. Reprinted in the same year with plain pale blue cloth with decor & lett on cover blind; tissue for front pl omitted. JSL.

5008. -----1914, Philadelphia D McKay, xix, 292 p, col front; 10 pls; ident to London edit; a reprint with year omitted from title issued in 1915, LC A15-2476. Not seen.

5009. -----1922, 2nd edit, rev

The Book Of |...| William Thomas & Kate Pavitt | Second And Revised Edition | With Coloured Frontispiece |...| 1922

Cover cloth also blue but pale streaks run vertically; p[iv]: "First Published 1914;" slightly thinner paper; no tissue for front. After careful examination I could find no substantial changes that would warrant calling this another edition, no less "revised."

5010. -----1929, 3rd edit, rev

The Book Of |...| William Thomas & Kate Pavitt | Third And Revised Edition | With Coloured Frontispiece | And Ten Plates | Rider & Co., Paternoster House | Paternoster Row, London, E.C.4 [1929]

8°: xix, 292 p; same ill; no tissue for front pl; pale blue cloth, black dec & lett on cover & spine. Still another reprint.

5011. -----1970, London reprint

The Book Of | Talismans, Amulets | And Zodiacal Gems | by | William Thomas & Kate Pavitt | The Aquarian Press | 37/38 Margaret Street, London, W.1 [1970]

8°: xii, [1]p + p 3-292; front glossy pl tip-in + 10 others tip-in, none are colored. Pale gray, white & black-flecked paper simulating cloth over bds; bright green title on spine; dk green dj with gold amulet & bright orange-red lett, resume, other bks of publ. 21.4 x 13.7 cm(8 3/8 x 5 3/8 in). Cut, 45/- net. ISBN 0 85030 042 8. JSL.

Cont: 1/2tp; front; tp; publ data & history; tab cont; pls list; text; index.

The dedication, preface, and text titlef are now omitted.

5012. -----1972, North Hollywood

The Book Of | Talismans, Amulets | And Zodiacal Gems | by | William Thomas & Kate Pavitt | 1972 Edition | [rule] | Published by | Wilshire Book Company | 12015 Sherman Road | No.Hollywood, California 91605 | Telephone: (213) 875-1711

Cementb: [11]p + p3-292 + [8 advert]p; 10 text pls(only) on both sides of 5 bound-in f not counted in pag. Glossy wrap, elaborate design on cover based on the original front pl in yellow & green, with similar color lett; other publ bks back cover. 21 x 13.3 cm(8 1/4 x 5 1/4 in). $3.00. ISBN 0 85030 042 8. JSL.

Cont: tp; publ data & print hist; tab cont; pls list; text; index; advert.

Omits front pl, dedication, pref & text title; otherwise another unchanged reprint.

5013. PAVLOVSKII, B

B.Pavlovskii | Kamnereznoe | Iskusstvo | Urala | [orn] | Sverdlovskoe | Knizhnoe Izdatelstvo | 1953 [title in pale orange & black]

8°: 150, [2]p; 18 photos on 9 tip-in glossy f(4 in full col); 28 text fig; ch orns. Greenish-blue cloth, gold & black lett; blind lett & black orn on front cover. 22.2 x 14.3 cm(8 3/4 x 5 5/8 in). Cut. 5,000 copies. 11 r, 10 k. JSL.

Cont: tp; edit & publ data; pref; introd; text; list of lapidary masters; stone descriptions; biblio(p 150-1, 22 entries); tab cont.

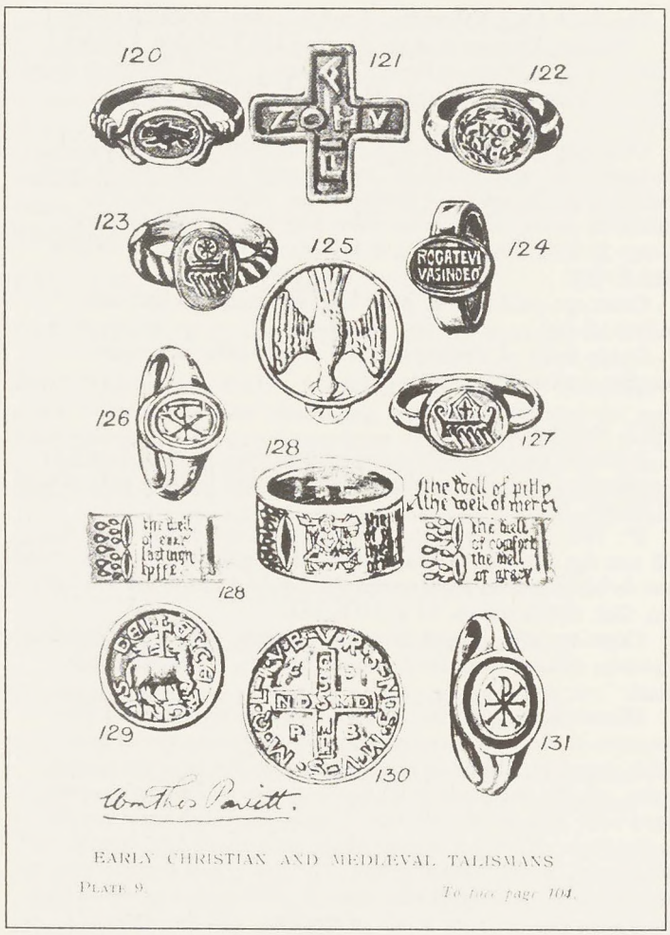
Historical essay on the famous lapidary creations and their creators in the Ural Mountains of Russia during the 18th to 20th centuries. Major emphasis placed on the enormous urns, vases, plinths, etc made from native stones and sometimes covered with veneers of malachite. Not ignored, however, are the many types of smaller objects made from rhodonite, quartz, and other gem or ornamental stones. The text traces development of the industry, training of personnel & craftsmen, sources of raw materials, designers, methods of working, and the types of objects that were made. There is a long list of lapidary masters with brief notes on their lives and works, and another list of native stones which include aventurine quartz, lapis lazuli, malachite, marble, rhodonite, various quartz varieties, and others. This is the first modern work in the USSR to adequately deal with the Uralian lapidary industry since publication of A E Fersman's several works touching on the same subject in the early years of the Communist regime.

5014. PAVOT Remarques sur le caillou de Rennes. *Bull Soc franç Min*, 23, 1900, 150-71. JSL. On the attractive silicified conglomerate or puddingstone of Rennes, France, and its use in ornamental objects, with previous mentions by others, its nature, formation, and sources.

5015. PAVLOWSKA, K O bursztynie w osadach sarmatu na Wyznie Lubelskiej. *Przegl Geol* 1, 1962, 1-132. Not seen.

5016. PAX, FERDINAND Korallen. Sep from: *Die Rohstoffe des Tierreichs*, herausgegeben von Ferdinand Pax(Breslau) und Walther Arndt(Berlin), Verlag von Gebrüder Borntraeger, Berlin, 1928. Wrap states: "1.Lieferung, enthaltend: Band II, Bogen 1-10, ausgeben am 1.August 1928. Inhalt: Kapitel XII. Schmucksachen, kunstgewerbliche Arbeiten und Drechslerrohstoffe aus wirbellosen Tieren," Sect D on coral. 8°: p37-104, [1]f; col pl; figs 21-57; print wrap. 25.5 x 17 cm(10 x 6 3/4 in).

Accurate, condensed, comprehensive, and highly esteemed by other writers on coral. Topics: etymology of coral, identification of the coral sources, origins & natural history, fishing, proper-



5007. Plate of talismans from Pavitt

ties, imitations, uses & manufacture, trade, The corals treated are precious coral, the so-called "black corals" or *Antipathes*, ordinary stony corals, and the *Pteroides* which are commonly known as sea-pens. Particulary valuable are Pax's historical resumes and etymological discussions, especially for the black corals whch rarely receive adequate discussion in works on the jeweler's precious corals. A lithograph color plate depicts six specimens of precious coral ranging in hue from white to dark brown. The bibliographic entries are extensive and accurate but most are unpaginated. Pax is also given as editor of *Meeresprodukte; Handwörterbuch der marinen Rohstoffe*, Stuttgart, 1962, XII, 459 p, 215 ills, which title suggests that it contains material on pearl, nacre, coral, etc(LC 63-26773); not seen.

5017. PAXMAN, J N On the diamond fields and mines of Kimberley, South Africa. *Proc Inst Civil Engineers*, London, 74, 1882-83, p 59-80; not seen.

PAXTON, J R, see ROSET, HIPPONAX

PAYNE, C J, see ANDERSON, B W, 1953

5018. PAYTON, CHARLES ALFRED(1843-?)

The Diamond Diggings | Of | South Africa. | A Personal And Practical Account. | [rule] | By | Charles A.Payton, | "Sarcelle" Of "The Field." | [rule] | With A Brief Notice Of The New Gold Fields. | London: | Horace Cox, 346, Strand, W.C. | 1872. | [rule] | Right of translation and reproduction reserved.

8°: vi, 240, [8 advert]p; tip-in front sketch map, part col, of routes. Dull red cloth, elaborate blind frames on covers; small circular vignette in gold of mining scene on front cover; gold lett, rules, orns on spine. Dull-surface pale yellow endp with adverts. 19.9 x 12.8 cm(7 7/8 x 5 in). Te uncut. USGS Kunz Coll, GS 34-424. JSL.

Cont: front map; tp; publ data; introd; map note; tab cont; 32 chs; advert.

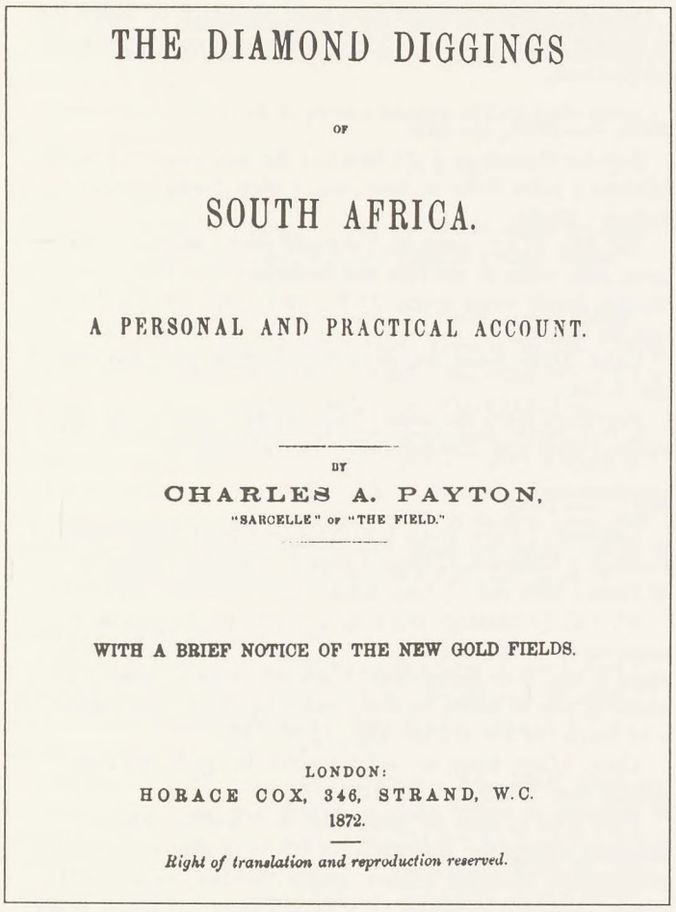
Mendelssohn states that this is "perhaps the best account of the early days of the Diamond Fields," but his reluctance to take a more positive stand is not understood; certainly there is not a work written in this period that surpasses or even equals it for scope and detail. If any criticism is to be leveled at Payton it should concern his inclusion of two diaries of ship transits to and from Africa which are interesting and amusing to be sure, but add nothing to the core matter. The text is in four parts, the first, of 10 chapters, providing a general account of the discovery of the fields and events that led to the now famous "rushes" to the alluvial diggings along the Vaal River and later to the "dry" or pipe diggings. At the time the latter deposits were completely misunderstood. Payton not only describes the diggings in both types of ground but also the climate, health, sport, amusements, etc of the miners, and other environmental and social conditions which prevailed at the time of his visit in 1870. He also describes a recommended "outfit" and a basic expense fund that a prospective miner should take to the fields, and notes the professions and trades that find ready employment in the event the visitor is not interested in active mining. This part concludes with a brief account of the annexation of the mining territories by the British and gives descriptions of diamonds and how one prospects for same. The second part discusses routes into the interior and the means of transport while the third part treats the life that miners lead, character sketches, how diamond buyers ply their business, and notes several catalogs of auction sales of diamonds. Other businessmen and native laborers also receive notice here. The last part is Payton's diary while residing in the fields and working in the dry diggings and followed at the end by remarks on newly-discovered gold deposits. The entire work is remarkable for its wealth of accurate detail and it remains today one of the most esteemed of all early accounts of life and labors in the diamond fields. Though physically a small book, small type enables a large amount of information to be compressed in its pages. Rare.

5019. PAZAUREK, GUSTAV E

Glasperlen | Und | Perlen-Arbeiten | In Alter Und Neuer Zeit | Von | Gustav E.Pazaurek | Darmstadt 1911 | Verlags-Anstalt Alexander Koch

4°: [4], 50 p; 7 photo pls(6 on pale tan heavy paper, tip-in); Pl II is integral to the text; 94 text photos. Decorated paper over thin bds, cut flush with contents; front cover with title, publ data, & orn. 29.5 x 21.2 cm(11 5/8 x 8 3/8 in). JSL.

Cont: tp; 1/2tp; text in two parts. A detailed study of the development of the glass pearl in various forms and uses in ornamentation of the costume, accessories, reliquaries, boxes, jewelry, and the like, especially where very large numbers of pearls are called for. The first part of the text is historical, the second part treats the subject in modern times. Lavishly illustrated with good quality photographs. An unusual and scarce work on the common imitation pearl.



THE DIAMOND DIGGINGS

OF

SOUTH AFRICA.

A PERSONAL AND PRACTICAL ACCOUNT.

BY

CHARLES A. PAYTON,

"SARCELLE" OF "THE FIELD."

WITH A BRIEF NOTICE OF THE NEW GOLD FIELDS.

LONDON:
HORACE COX, 346, STRAND, W.C.
1872.

Right of translation and reproduction reserved.

5018. This is the best account of the earliest days of the newly-opened diamond fields of South Africa

5020. -----1920 Württemburgische Glas- und Edelstein Schneider. Berlin, 1920, 20 p, 22 ill. Not seen; from *Metropol Mus of Art* cat, vol 9, New York.

5021. -----1932 Glas- und Gemmenschnitt im ersten Jahrtausend. *Belvedere*, 11, 1932, 1-22. Not seen.

5022. -----1937 Perlmutter. Mit einem Geleitwort von Otto v Falke. Berlin, 1937, 4°, 64 pls, cloth. Not seen; from a bookseller's cat of 1961.

5023. PAZZINI, A

Centro Di Demoiatrica | Dell'Accademia Di Storia Dell'Arte Sanitaria | A.Pazzini | Le Pietre Preziose Nella Storia | Della Medicina E Nelle Leggenda | Casa Editrice Mediterranea | Roma [wrap date: 1939]

P [3]: "Questa volume è stato stampato con caratteri a mano in soli 250 esemplari e questo esemplare porta il numero [space]" and inside back wrap: "Questo volume è stato stampato in soli 250 esemplari di cui 200 per il pubblico..."

4°: [4], [2 blank], 355, [1] blank], [2]p. Stiff, pale yellow wrap, title on front cover in brown & green plus medieval woodcut. 24.5 x 17 cm (9 5/8 x 6 3/4 in). Cropped. BM(NH).

Cont: tp; limited edit note; other works of author; blank f; text; biblio(p 337-46, 173 entries); names index; tab cont; errata & corrigenda.

Understandably a very scarce treatise: printed in only 250 copies of which 200 were issued to the public. The author surveys the role of gemstones in medicine throughout history with emphasis on the curious lore associated with gemstones. The text, in three sections, commences with speculations of the ancients concerning the origin of gemstones, magical virtues, symbolism, medicinal uses, famous collections of gemstones, talismans, etc. The second section describes and discusses ancient lapidaries, from those circulated in India to those in classical periods thence into the middle ages. The last part briefly summarizes the therapeutic and magical properties assigned at some time or place to each of the gemstones, these being taken up alphabetically from ACOFI to ZORONISIO and providing a rich harvest of terms that should please the student of gemological nomenclature. Pazzini's work is almost unknown but surely deserves further study and translation.

5024. PEACOCK, MARTIN ALFRED(1898-1950) Topaz from Devil's Head, Colorado. *Amer Min*, 20, 4, 1935, 354-63, 12 fig. JSL. Gem quality crystals occur in cavities in granitic pegmatites of the Pikes Peak region; describes occurrence, crystals, crystallography, with drawings of actual crystals.

5025. PEARCE, G L

The Story Of | New Zealand | Jade | Commonly Known As Greenstone | [rule] | G.L.Pearce | with drawings by | Harry Dansey | Collins | Auckland And London [Auckland, NZ: Collins Bros & Co Ltd, 1971]

8°: 109, [3 blank]p; 19 col photos on 4 bound-in glossy f; 3 sketch maps; 17 figs; 7 headpc sketches. Mustard-brown cloth-type paper over bds; gold lett spine. White dj, col fig, resume, vita, advert, 20.9 x 14.2 cm (8 1/4 x 5 5/8 in). Cut. Aus $3.60. JSL.

Cont: 1/2tp; other bk by author; tp; publ data; tab cont; dedic; ill list; 7 chs; chronol; 4 appends; biblio(p 103-4, 20 entries); index; blank p; blank f.

Surveys the history of nephrite jade and bowenite serpentine in New Zealand with particular reference to its use by the Maori and later use by Europeans and their descendents. Ch 1 a popular geological description of New Zealand's South Island, the jade-bearing formations, a review of other world sources(fragmentary and sometimes misleading), geological time chart, and map showing schist areas of South Island and places where jade and serpentine occur. Chs 2-4 history of jade elsewhere in the world, showing possible trade routes Europe-Asia-North America on a map, early Maori history vis-a-vis the greenstone, Maori legends, and sources and trade in greenstone the Maoris. The last 3 chs discuss jade-working methods by Maoris and by others, including a good section on modern lapidary methods. The appendices treat nomenclature, substitutes, mineralogy & distinctions among jades, chemical analyses of nephrite and serpentine, relative monetary values of the materials. Pearce, a student of Maori history, is strong when dealing with the cultural aspects of New Zealand greenstone but weak when writing of the scientific or technological aspects of jade and especially weak when discussing jades found elsewhere in the world, perhaps attributable to failure to consult

authoritative works on jade, none of which are included in his bibliography. Photographic illustrations are attractive and show scenes of prospectors at work, types of cut and rough nephrite, and some examples of Maori jade work and modern lapidary work of New Zealanders. Rev *J Gemm*, 13, 5, 1973, 192-3; *Austral Gemm*, 12, 1, 1974, 19; *Gems*, 5, 1, 1973, 44, 46.

5026. -----1978, 2nd edit

Greenstone | The Story of New Zealand | Jade | G.L.Pearce | with drawings by | Harry Dansey | Collins | Fontana Silver Fern | Auckland Sydney London [1978]

8°: 109, [3 blank]p; 32 pen & ink drawings; 3 maps; 19 col photos on 4 bound-in glossy f. Pale green print wrap; 2 col photos on front with title in brown; back cover resume; spine title, 19 x 12.7 cm(7 1/2 x 5 in). Cut. ISBN 0 00 634919 6, JSL.

Cont: 1/2tp; other author bks; tp; publ data; tab cont. dedic; ill list; text; chronol chart; jade nomenclature; true & false jades; chemistry; money values; biblio(p 103-4, 20 entries); index; 3 blank p. Minor changes only.

PEARL, RICHARD MAXWELL (1913-1980)

B NY City; BA, MA U Colo 1939, 1940; AM Harvard U 1946; prof teaching career Colo U 1941-; prolific author mainly of popular works on various aspects earth sciences and gemology; edit & publ of *Earth Sci Mag* from 1973. Obit *Lap J*, 34, 11, 1981, p 2426.

5027. -----1941 Turquois deposits of Colorado. *Econ Geol*, 36, 3, 1941, 335-44; also issued separately. JSL. Describes deposits nr Villagrove, Manassa, Leadville, Creede.

5028. -----1948

Popular Gemology | Richard M.Pearl | Department Of Geology | Colorado College | John Wiley & Sons, Inc., New York | Chapman & Hall, Ltd., London 1948

8°: xii, 316p; photo front pl integral & includ in pag; 115 fig. Tan cloth, red gem on cover in gold outline & gold title & author name; red, gilt-edged spine panel with gold lett. Dull yellow dj; lett & photo in red on front; resume. 20 x 13.8 cm(7 7/8 x 5 1/2 in). Cut. $4.00; 24/-. in England. JSL. LC 48-7878.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; 8 cks; biblio(p 283-6, 13 entries, annot); index.

Written in easily understood language for the general public and stressing the lore and romance of gemstones rather that the technical aspects of the subject. It makes pleasant reading but scarcely touches on any matters which cannot be found in more detail in standard works on gemology. Topics: curious lore, properties, identification, deposits, descriptions of faceted stones (the largest portion of text), descriptions of cabochon and carved gemstones, quartz group, organics, synthetics, imitations, culture pearl, and luminescent gemstones. Rev R Webster, *The Gemm*, 18, 210, 1949, p 26-8; *J Gemm*, 21, 1, 1949, 26; *G & G*, 6, 2, 1948, 61.

5029. -----1948(?), 2nd edit

Popular Gemology | Richard M.Pearl | Department Of Geology | Colorado College | Sage Books, Denver [nd]

8°: xii, 316 p; same ill. V pale greenish-gray cloth, brown lett spine with added words "Second Edition." White dj, blue specimen photo & blue & sepia lett; resume, vita, other author bks. 19.8 x 14 cm(7 3/4 x 5 1/2 in). Cut $4.00. JSL.

Actually a reprint except for a brief paragraph of "Additions to Second Edition" on p 282 in which some recent events are summarized.

5030. -----1965, rev edit

Popular Gemology |...[3 lines]...| Revised Edition | Science Editions | John Wiley & Sons, Inc. | New York, London · Sydney · 1965]

16°: [8], 312 p; same ill. Very stiff plastic wrap, col photo on cover with white & red title and underline bars; back cover resume; inside wraps green. 21.3 x 13.7 cm(8 3/8 x 5 3/8 in). Cut. $1.95. JSL.

Cont: 1/2tp; front; tp; dedic & publ data; pref; tab cont; 3 chs; index.

Reprinted from the same plates; omits former 1/2tp leaf & biblio; minor text changes mainly in synthetics ch.

5031. -----1951

Colorado | Gem Trails | Richard M.Pearl | Department of Geology | Colorado College | Sketch Maps By | Mignon W.Pearl | [orn rule] | Sage Books, Inc. [Golden, CO 1951]

8°; 125, [3 blank]p; front tip-in photo pl; 14 photos + 2 maps on sewn-in gathering of 8 f between p 64-5; 6 sketch maps in text. Pale green cloth, black lett cover & spine. Col dj, photo & title in white on front; other bks back; flap resume. 21 x 14 cm(8 1/4 x 5 1/2 in). Cut. $2.50. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; introd; text; 3 blank p. LC 51-11304.

Field trips to hunt for gemstones & minerals: describes materials sought for, directions for reaching sites, other useful information. Materials treated: quartz varieties, topaz, beryl, garnet, feldspars, turquoise. A standard work still much in use.

5032. -----1952, 2nd edit. Not seen; from pref to this edit in the 3rd edit below, "limited... revision... bringing a few of the most important matters up to date. A new sketch map of the Ruby Mountain locality, and revised mileage logs for the Mount Antero and Calumet localities are the chief improvements. "

5033. -----1953, 3rd edit

Colorado | Gem Trails | Third Edition | Richard M.Pearl | Department of Geology | Colorado College | American Gem Trails Series | Sketch Maps By | Mignon W.Pearl | Mineral Book Company | [logo] | Colorado Springs [1953]

8°: [2], 125, [1]p; 2 photos, 8 maps. Pale brown col paper wrap, photo & lett in white on cover; resume back cover. 21.3 x 14 cm(8 3/8 x 5 1/2 in). Cut. LC 51-11304. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; prefs to other edits; tab cont; introd; text; biblio on last unnumb p, 14 entries.

"The chief revisions are in the map of the Mount Antero area and in the references,"

5034. -----1958

Richard M.Pearl | [star] | Colorado | Gem Trails | And | Minerals | Guide | [star] | Sketch Maps By | Mignon W.Pearl And Eva C.Keller | Sage Books, Denver [Sage Bks publ by Alan Swallow, Denver; 1958]

8°: 176 p; 38 maps. Tan cloth, red-brown lett spine. Orange dj. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL.LC 58-1938.

Cont: 1/2tp; other author bks; tp; publ data; dedic; lists of national forests, monuments, parks in CO; suggested reading; pref; tab cont; text.

A preliminary ch, p 20-4, gives a history of Colorado gemstones.

5035. -----1965, 2nd edit rev

Richard M.Pearl | [star] |...| [star] | Sketch Maps By Mignon Wardell Pearl | Second, Revised Edition | Sage Books, Denver [1965]

8°: [2], 223, [3 blank]p; 56 maps; 22 photos on 8 glossy bound-in f includ in pag. Dull red cloth, silver spine lett. Col dj, photo & lett in orange & white; resume, vita, other bks. 21.7 x 14 cm(8 1/2 x 5 1/2 in). Cut. $3.95. LC 65-16515. JSL,

Cont: 1/2tp; other author bks; tp; publ data; dedic; lists of forests, etc; suggested reading; pref; tab cont; text; 3 blank p.

Greatly enlarged, improved, much more detailed information and many more maps as well as additional collecting sites; new photos, Re-issue in tan, pebbled cloth, black lett spine; similar dj except in grayish-green ink, and "Revised Edition" on dj.

5036. -----1972, 3rd edit rev

Richard M.Pearl | [star] | Colorado | Gem Trails | And | Mineral | Guide | [star] | Sketch Maps By Mignon Wardell Pearl | Third, Revised Edition | Sage Books | [logo] | The Swallow Press Inc. | Chicago [1972]

16°; [2], 222; 55 maps; 22 text photos. Blue cloth, blind orn on cover, black spine lett; dull green endp. White dj, blue lett & photo; resume, vita, other author bks. 21.5 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. LC 65-16515; ISBN 0-8040-0052-2. $5.00. JSL.

Cont: 1/2tp; other author bks; tp; publ data; dedic; list of forests, etc; magazines; pref; tab cont & maps; text.

P 7: "Under the title *Colorado Gem Trails*, the predecessor of this book was published by Sage Books, Denver, in 1951. Two paperback reprints, referred to as second and third editions, were then issued by Mineral Book Company, Colorado Springs and Denver. The present title was first published by Sage Books, Denver, in 1958; a second, revised edition was issued in 1965; it is now presented as a third, extensively revised edition, but if the original title is included, this is the fourth edition, tenth printing." The "revisions" in the present edition are minor.

5037. -----1959

1001 Questions | Answered | About the | Mineral | Kingdom | [orn] | By Richard M.Pearl | Illustrated With Photographs And Drawings | Dodd, Mead & Company | New York 1959

8°: xvi, [1], [1 blank], 326 p; glossy tip-in front col pl; 4 others tip-in betw p 142-3 and not includ in pag; many line drawings. Pale red-brown cloth, black & yellow spine lett. Gold dj, resume, vita, advert. 21.2 x 14.2 cm(8 3/8 x 5 5/8 in). Cut. $6.00. LC 59-12156. JSL.

Cont: other series bks; 1/2tp; front; tp; publ data; dedic; pref; tab cont; photo captions; introd; text tp; 16 chs; biblio(p 303-5, 54 entries); index.

Poses elementary questions and provides answers; those on gems and related matters form Ch 11, p 192-220, Questions 664-740, with 7 drawings.

5038. -----1968, rev edit

1001 Questions |...| Illustrated With Photographs And Drawings | Revised Edition | Dodd, Mead & Company | New York 1968

Minor changes in various places; Roman numerals omitted from front matter pages; LC 68-25588, JSL.

5039. -----1963

Wonders of Gems | By Richard M.Pearl | Illustrated With Photographs | Dodd, Mead & Company. New York ["Dodd, Mead Wonder Books;" 1963]

Edgestapled: 63, [1]p; front photo pl + 27 others. Col paper over bds, green cloth spine, inner cloth hinge; col photos on cover, title in red & black against yellow panel; back cover plain yellow; similar dj with resume, vita, portr of author. 22.9 x 16,8 cm(9 x 6 5/8 in). Cut, $3.00. LC 63-10336.

Cont: other series bks; front; tp; dedic & publ data; tab cont; 13 chs; index; vita.

For children, stressing interesting and romantic aspects of gems and gem materials, with descriptions of some famous gems and remarks on famous personages associated with gems. Rev *G & G*, 11, 4, 1963/64, 124.

5040. -----1964

American | Gem Trails | By | Richard M.Pearl | Department of Geology | Colorado College | Colorado Springs, Colorado | McGraw-Hill Book Company | New York - Toronto - London [1964]

8°: x, [2], 173, [2], [5 blank]p; 44 photos & text sketches; 33 maps, Dk red paper over bds; silver lett spine. Col dj, resume, vita, other author bks. 18.9 x 12.5 cm(7 1/2 x 4 7/8 in). Cut, $5.50. LC 63-22431. JSL.

Cont: 1/2tp; other author bks; tp; publ data; dedic; pref; tab cont; text tp; 50 chs; index; blank p; vita; 5 blank p.

Interesting miscellany of anecdotes and unusual information on the gemstones of the United States covering a wide variety of topics as growth of the collecting hobby, mineral names of American origin, geological structure of the United States, where to collect, gemstone descriptions, famous sources of gemstones, etc, with most topics treated in a page or two of text. Most localities are indicated by dots or triangles on sketch maps and are utterly useless as guides. Rev *G & G*, 11, 6, 1964, 189.

5041. -----1964 Gems, Minerals, Crystals and Ores; New York: Odyssey Press. Not seen.

5042. -----1967

Gems | Minerals | Crystals | and Ores | The Collector's Encyclopedia | By Richard M.Pearl | Golden Press · New York [1967]

Cementb: 320 p; 163 col photos on 32 bound-in glossy f includ in pag; ca 120 fig. Stiff paper wrap, col photo of agate on cover with title inside a document-type seal; back cover resume. 20.2 x 13.8 cm(8 x 5 1/2 in). Cut. $2.95. JSL.

Cont: 1/2tp; tp; ackn & publ data; dedic; vita; tab cont; pref; text tp; 10 sections; index.

Treats: general advice on mineral collecting, gem cutting, identification of minerals, all done very briefly and only touching upon the important points. These are followed by glossaries of

mineral terms, terms used in crystallography, origins of mineral names, a very large glossary of mineral and gem terms, followed by shorter glossaries of rock terms, meteorites, and geological & mining terms. The color photographs are mostly blurred and untrue in respect to hues; these are inserted in three sections while other illustrations are inserted in appropriate places in the text. The treatment is necessarily shallow and in places repetitive. Reissued in 1977 and marked as "1977 Edition" although identical.

5043.-----1968

Gem | Identification | Simplified | By | Richard M.Pearl | [orn rectangle overprinted by:] Maxwell | Publishing Co. [Colorado Springs, 1968]

Centerstapled: 43, [1 blank]p; 12 fig. White glossy paper, photo of 4 cut gems on cover with green lett; list of other bks inside back cover. 22.8 x 15.2 cm(9 x 6 in). Cut. $1.00. JSL.

Cont: tp; publ data; dedic & ackn; photo; tab cont; 5 chs; blank p.

Emphasis placed on use of several property tests coupled with use of density fluids; number of gems deliberately reduced to those most likely to be met in trade. Rev R Webster, *J Gemm*, 11, 3, 1968, 94.

5044. -----1975

Garnet | Gem and Mineral | Richard M.Pearl | Colorado College [Colorado Springs, CO: Earth Science Publishing Company, 1975]

Centerstapled: 24 p; 1 phot, 4 crystal drawings, Thick magenta wrap, title with crystal drawings on covers. 22.9 x 15.2 cm(9 x 6 in). Cut. $1.00. JSL.

Very briefly covers major aspects: mineralogy, gemology, the garnet group, synthetic garnet, identification, curious lore, localities, glossary.

5045. -----1976

Turquoise | [orn] | Richard M.Pearl | Colorado College [Bright blue Greek-key bar above & below title; Colorado Springs, CO: Earth Science Publishing Company, 1976]

Centerstapled: 32 p; 6 blue-tint photos; 4 blue & black line drawings of Indian jewelry; blue Greek-key bars above and below text on all pages; small blue orns & ch headings in blue. Bright blue paper wrap, Indian jewelry drawings on covers with black title on front. 22.9 x 15.2 cm (9 x 6 in). Cut. $1.35. JSL.

A popular presentation covering the identification of the mineral, its occurrences, American deposits & turquoise types, historical notes, deposits in the USA, a list of active miners, terminology, false names, remarks on odontolite, variscite, chrysocolla and other "look-alikes," the "Chalchihuitl question," etc. Photographs depict rough & cut specimens and Indians of the Southwestern USA working turquoise gems.

PEARL, R M, see DAKE, H C & PEARL, R M

5046. PEARRE, NANCY C & HEYL, ALLEN V, Jr
Chromite and other mineral deposits in serpentine rocks of the Piedmont Upland, Maryland, Pennsylvania and Delaware. *USGS Bull* 1082-K, 1960. Edgestapled: VIIp + p 707-833, Pls 40-7 (maps & sections in back cover pocket); Fig 65-70; 8 tab. Printed wrap, title on cover. JSL. Serpentine bodies provide gem quality serpentine(williamsite) in places and also cryptocrystalline quartz; most important to the gemologist is description of the Line Pit chromite mine, on the border between MD & PA, where splendid quality translucent green williamsite has been obtained.

5047. PEARSON, HUGH The diamond fields of Brazil. *J Roy Soc Arts*, London, 58, 1909, 101-29, 3 sketch maps. Very complete, timely article on alluvial diamond deposits, the first map showing Brazilian fields, the second the Lençoes district of Bahia, and the third map the Diamantina region. Gives historical remarks, describes mining methods, economics of mining, describes deposits in Minas Geraes, São Paulo, Matto Grosso, Goiaz, and Bahia. Closes with a discussion of regulations governing mining & trade, and brief discussion of the paper by society members.

5048. -----1926

The Diamond Trail | An Account Of Travel Among | The Little Known Bahian | Diamond Fields Of Brazil | By | Hugh Pearson | M.I.M.M., M.I.P.T., F.R.S.A. | With | Photographs And A Map | London | H.F. & G.Witherby | 326 High Holborn, W.C. | 1926

8°: 230, [1], [1 blank]p; glossy front photo pl, tissued, tip-in + 12 photos on 11 tip-in glossy f; fold sketch map tip-in opp p 15. Red cloth, blind frame on cover; gold lett on spine with gold & black panel of a Brazilian inhabitant, plus gold rules. 21.9 x 14 cm(8 5/8 x 5 1/2 in). Be untrimmed. 12s 6d. JSL.

Cont: 1/2tp; front; tp; publ logo & data; fwd; pref; tab cont; ill list; map; 14 chs; index; advert; blank p.

The author, a mining engineer, while on a "commission" into the hinterlands of Bahia describes vividly the primitive life of the inhabitants as well as furnishing remarks on the alluvial diamond deposits, the local geology, geography, methods of mining, recovery of stones, and sales of same. There is an interesting description of "burning" diamonds to remove surface defects in Ch 11. The last fourth of the book describes gold mining. Some useful geological & mineralogical information is given in this rather stiffly-written work but most of it is a travelogue.

5049. PEARSON, JOSEPH

Ceylon [underlined] | [coat-of-arms] | Sessional Paper XV. - 1926. [underline] | Reports on the | Pearl Fishery of 1925. | June, 1926. | Ordered by His Excellency the Governor to be Printed, April 19, 1926. | Colombo: | Printed By H.Ross Cottle, Government Printer Ceylon. | To be purchased at the Government Record Office, Colombo. | 1926. | Price, with illustrations, Rs. 2.25.

Edgestapled: 80 p; XI pls(4 fold part col maps, charts, diagrs, and 3 photo pls showing 14 fishery scenes), Self-wrap. 33.2 x 21.1 cm(13 1/8 x 8 1/4 in). Cut.

Cont: tp; tab cont; text; append; pls explan; reports of other officers.

Large, detailed report on the fishery, with historical notes, and notes on the current operations, also on biology and marine environment, records of past fishery results, and reports of the administrative and health officers on the fishery camp and its facilities, The maps show the banks and their locations while there are 14 excellent photographs of fishery scenes upon the three glossy leaves. A scarce report.

5050. PEARSON, J; MALPAS, A H & KERKHAM, J C
The pearl fishery of 1925. *Ceylon J Sci*, Colombo, Sect C, Fisheries, *Bull of Fisheries*, 1929, 3, p 1-90. Not seen.

PEARSON, SAMUEL, see KENTUCKY TRANSVAAL DIAMOND MINING CO

5051. PEARSONS, HOWARD LOAMMI B.C. Gem Trails, 196-?. First issue and second not seen.

5052. -----1964 More B.C. gem trails. Monte Lake, British Columbia, Canada: Monte Lake Rock Shop, 1964, 38 p, maps. Not seen.

5053. -----1968
B.C. Gem | Trails | 3rd Addition With Maps | By Howard L.Pearsons | [4 ink drawings] | $2.00 [No place; priv publ, 1968]

Edgestapled mimeo sheets: [4]p + 30 f; 32 sketch maps; pale blue wrap, cover title. 28 x 21.5 cm(11 x 8 1/2 in). Cut.

Detailed instructions to reach collecting sites are printed recto to face verso maps; fossils, minerals, gemstones, artifacts.

5054.-----1973
B.C.Gem | Trails | 4th Addition | by Howard Pearsons | [pick orn, surrounded by 6 words] [1973] Edgestapled: [2], 30 f; 31 sketches of maps & specimens. $2.00.

5055. PECH, HEINRICH
Smaragde | - Gauner und | Phantasten | Heinrich Pech | Pinguin-Verlag, Innsbruck - Umschau-Verlag, Frankfurt [1976]

8°: 124 p; 11 col & 12 b&w photos on 8 glossy tip-in f. Col paper over bds; front with col photo emeralds in matrix; white title; back cover with newspaper headlines; black spine title. 20.5 x 14.5 cm(8 1/8 x 5 3/4 in). Cut. DM 28.50. JSL.

Cont: 1/2tp; tp; publ data, ackn, explan cover photo; text; tab cont; biblio(p 123- 5 entries); publ advert.

The title, "Emeralds - Rogues and Visionaries," is appropriate for this highly interesting anecdotal work on the career and productions of the famous emerald deposit in Austria's Habachtal near Salzburg. However, it also includes sections on other well-known emerald deposits as in the Urals, Colombia, and South Africa. Pech devotes most space to his experiences in emerald mining in the Habachtal deposit from 1957 onwards but with excellent summaries of early history and in one short section suggesting that Nero's emerald may have come from here. Most of his historical comments are from about the turn of the century with some documentation of stories concerning deceptions, frauds, thefts, and anecdotes that are now known to be apocryphal. All of these details on the human side make this book indispensible for anyone studying the history of the mine while the general reader is certain to be entertained by the breezy style of writing adopted by the author. Rev *Aufschluss*, 28, 1977, 199.

PEIRSON, WALTER, AUCTION SALE, see SAMUEL T FREEMAN

5056. PELKA, OTTO
Die Meister | der Bernsteinkunst | Von | Dr.Otto Pelka | Mit 6 Abbildungen | [3 short rules, stacked]

No place nor date of publication appear anywhere although the foreword is signed "Kiel, den 30.November 1916." However, G R von Bock, 1981, 178 gives "*Mitteilungen aus dem Germanischen Nationalmuseum*, Jahrgang 1916, Nürnberg 1917, s 75-114."

8°: 60 p; 6 ill on 4 glossy tip-in pls. Tan cardbds, with pale gray printed wrap. 25 x 16.8 cm(9 7/8 x 6 5/6 in). Te stained pale gray. JSL.

Cont: tp; tab cont; pref; text; append & pls.

Text in two parts: 1 deals with amber artisans that belonged to the guilds of Prussia and cities in other German provinces, and 2 artisans outside the guilds. The appendix extracts information on the amber trade from city charters and registers. The scope of the investigation ranges from the earliest records obtainable in the Middle Ages to the year 1800. The plates depict various large objects made from pieced together amber by Michael Redlin, an amber worker in Danzig, ca 1688.

5057. -----1920
bibliothek für Kunst- und Antiquitätensammler | Band 19 [double orn rule on each side] | Bernstein | Von | Dr.Otto Pelka | Mit 117 Abbildungen im Text | Berlin W 62 | Richard Carl Schmidt & Co. | 1920

8°: 148, [12 advert]p; 117 fig(mainly photos of amber objects). Tan, cloth-type paper over thin bds; lett & amber orn in brown in frame on front cover; spine lett. Dull maroon endp. Rounded board corners. 21.7 x 14.2 cm(8 1/2 x 5 5/8 in). JSL. LC 23-12211.

Cont: 1/2tp; other series bks; tp; publ data; fwd; tab cont; text; biblio(13 entries); list of collections; place names index; persons index; advert.

Explores the use of amber in art and in applied arts from earliest times to the present, leaning heavily on archival sources of the 17th and 18th centuries. A brief section on the nature and treatment of amber is followed by a section on the trade in amber and its distribution, while the last and largest section deals historically with the applications of amber in objects of all types from small figurines to larger pieces that may be made from numerous smaller pieces either in appliquée or assemblage. Included is the amber wall-covering in the famous Amber Room of the Tsarskoe Selo palace in Russia. Detailed review by K Andrée, *Bernstein-Forschungen, (Amber Studies)*, 1, 1929, 163-4, who adds remarks on the amber industry in the Baltic region as it stood at the close of WW I.

5058. PELLETIER, R A
Mineral Resources of | South-Central Africa | R.A.Pelletier, M.Sc., Ph.D. (McGill) | Oxford University Press Cape Town 1964 London New York Toronto

8°: [1], vii, 277 p; 39 maps(part fold, col); 56 fig(includes part col glossy tip-in pls). Bright red cloth, gold lett spine. Col dj, resume. 27.9 x 21.4 cm(11 x 8 1/2 in). Cut. R 6.00; in Central Afr 60s. JSL.

Includes diamond in Republic of South Africa, South West Africa, Congo Republic, Angola, Tanzania, and precious stones of Southern Rhodesia. Pelletier was president, Geological Society, South Africa.

5059. PELLIOT, PAUL(1878-)
Jades Archaïques | De a Chine | Appartenant A M.C.T.Loo | Publiés Par | M.Paul Pelliot | Membre De L'Institut | [rule]

| Paris Et Bruxelles | Librairie Nationale D'Art Et D'Histoire | G. Van Oest, Éditeur | [rule] | 1925

4°: 128 p(introd text stops on p 35 but the pagination, with many gaps, continues to blank p[128]); 46 tip-in heliograv pls in dk sepia, each with many objects and preceded by f bearing pls no recto, explan verso. Heavy, pale brown paper wrap, inward fold flaps over an inner wrap cemented to spine; silver & black lett on cover & spine. Front flyleaf supplied as a tip-in; two back flyleaves hinged & sewn-in, the last pl being tip-in to first of these f. 34.8 x 26.8 cm(13 3/4 x 10 1/2 in). Uncut. Pale tan paper. LC 27-6962; Yang 1768. JSL.

Cont: supplied f; 1/2tp; tp; pref; introd; pls & explan; flyleaves.

Highly esteemed detailed description of jades in C T Loo's collection but perhaps most valuable for its discerning comments in the introduction. After citing previous important monographs and briefly discussing the mineralogical nature of the nephrite used by the Chinese, he stresses the importance of the jade in Chinese culture and the symbolic forms, etc used in the carvings, all of which are of the highest significance but whose precise identification remains controversial in certain types of objects. The entire discussion is learned and valuable, indeed S H Hansford, *Chinese Jade Carving*, p 11, calls it "the most acute, critical and scholarly writing on ancient jades" but at the same time noting that Pelliot's statements are "characterized by great caution and reserve." The remarkable heliographic plates are generally good when depicting larger objects but provide only fair renditions of small objects. Only a very limited number of these catalogs were issued for private distribution, a few for the trade, but in sum forming one of the scarcer important jade monographs. Unfortunately, the weak sewing, brittle glue, and the great force exerted upon the spine when the book is opened causes most copies to quickly disbind. Rev C Vignir, *Rev Arts Asiat*, Paris, 1926, 11-6.

5060. PELTO, CHESTER R A study of chalcedony. *Amer J Sci*, 254, Jan 1956, 32- 50, 2 fig. Recent experiments show that chalcedony does not contain opal-filled interstices but is essentially microcrystalline quartz with sub-microscopic pores; gives details on fine structure and retention or loss of water.

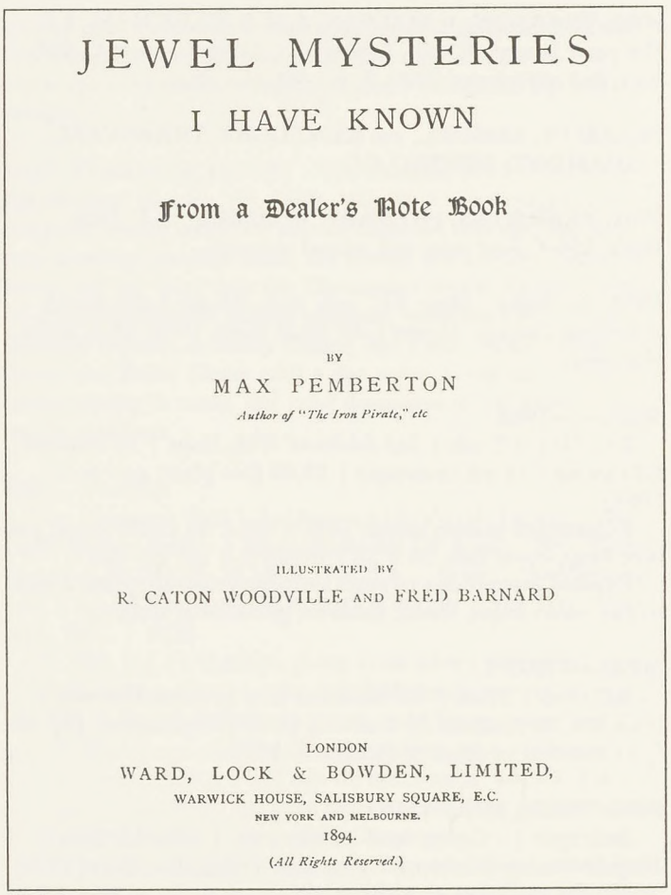
5061. PEMBERTON, MAX

Jewel Mysteries | I Have Known | From a Dealer's Note Book | By | Max Pemberton | Author of "The Iron Pirate," etc | Illustrated By | R. Caton Woodville And Fred Barnard | London | Ward, Lock & Bowden, Limited, | Warwick House, Salisbury Square, E.C. | New York And Melbourne. | 1894. | (All Rights Reserved.)

8°: vii, [1 blank], 269, [1 blank], [10 advert]p; front + 40 other drawings. Blue cloth, elab decor of gold vignette at top of front cover, from which depends a gold necklace surrounding the title, and a pearl necklace in silver; gold lett & brilliant gem on spine. Pale blue-gray, dull endp. Bev bds. 21.1 x 13.8 cm(8 1/4 x 5 1/2 in). Cut. Aeg. JSL; USGS Kunz Coll, GS 34-384.

Cont: 1/2tp; other bks by author; front; tp; tab cont; text tp; text; blank p; advert.

The author assumes the name of "Sutton," a London jeweler, for the purpose of recounting a series of fictitious but highly interesting stories involving gems, jewels, and the gem trade. The gemological information is accurate and carries the ring of authority. A popular work in its day and at least one identical reprint was issued. A later issue, in maroon cloth, gold lett on cover with blind logo in a box, and gold spine title, bev bds, plain endp, measured 22.6 x 14.6 cm(8 7/8 x 5 3/4 in). Uncut. The front ill fitted with tissue; the adverts are different and the pages for same are numbered. Price 5s.



JEWEL MYSTERIES

I HAVE KNOWN

From a Dealer's Note Book

BY

MAX PEMBERTON

Author of "The Iron Pirate," etc

ILLUSTRATED BY

R. CATON WOODVILLE AND FRED BARNARD

LONDON

WARD, LOCK & BOWDEN, LIMITED,

WARWICK HOUSE, SALISBURY SQUARE, E.C.

NEW YORK AND MELBOURNE.

1894.

(*All Rights Reserved.*)

5061. Titlepage to popular writer Max Pemberton's stories about jewel thefts and mysterious events connected with the trade

PENFIELD, S L, see BISHOP, H R, 1900

5062. PENFIELD, SAMUEL LEWIS(1856-1906) & FOOTE, H W On the chemical composition of tourmaline. *Amer J Sci*, 7, 1899, 97-125; also separately. JSL. Reviews previous work, provides new analyses, notes presence of titanium in some analyses, and suggests a division of tourmaline group into lithia, iron, and iron-magnesia sub-groups.

5063. PENNING, WILLIAM HENRY Gold and diamonds. South African facts and inferences. London: Ballière,Tindall & Cox, 8 Henrietta Street, Covent Garden, 1901. 8°: iv, [4], 77 p; 13 fig, 2 col maps. Cloth. 2s. Not seen; BM(NH). "This work embodies some practical deductions from the geological evidence obtained by the author in many widely separated localities, during twenty years of intermittent residence in South Africa," (Mendelssohn). Another reference states that Penning "deduces the prolonged continuity of the diamond fields beyond their present area of development and infers the presence

of diamond mines near some of the river gravels. Antiquarians will be interested in the author's notes on the distribution of stone implements. These have been found in considerable numbers at Kimberley and two other diamond mining centers, and it is suggested that they were used by the earlier tribes to turn over the top soil to find diamonds."

5064. PENROSE, R A F, Jr. Kauri gum mining in New Zealand. *J Geol*, 20, 1, 1912, 38-44, 3 photos. Eyewitness account of shallow surface probing and digging of kauri gum masses with notes on its nature, colors, source tree (*Agathis australis* Salisbury), search techniques, extraction, and character of the miners.

5065. PENZER, NORMAN MOSLEY

Federation of British Industries: Intelligence Department | The Mineral | Resources Of Burma | By | N.M.Penzer, M.A., F.R.G.S., M.R.A.S., F.G.S. | With An Introduction By | Colonel O.C.Armstrong, D.S.O. | (President of the Federation of British Industries). | With 6 Maps. | [govt seal] | London: | George Routledge & Sons, Limited. | New York: E.P.Dutton & Co. | 1922

8°: viii, 176 p; tip-in fold map of Burma showing localities in red; 7 text maps, many tab. Dk blue cloth, blind rules on cover; gold rules & lett spine. 21.5 x 13.6 cm(8 1/2 x 5 3/8 in). Cut. LC 22-11688. JSL.

Cont: tp; introd; pref; tab cont; fold map; 12 chs(biblio, Ch 12, 442 refs of which nos 93-148 on gemstones); index.

Ch 3, 25-47, treats the gemstones of Burma, namely, ruby, spinel, sapphire, apatite, tourmaline, beryl, amber, and jade. Most details on the famous mines of Mogok, for which there are text maps for the Mogok area, amber district, and the jadeite areas. Appendix 2, 142-6, furnishes phonetic and script equivalents of mineral names, including gemstones. Valuable work, still much in demand; compare H L Chhibber.

5066. PEPPER, GEORGE H Ceremonial objects and ornaments from Pueblo Bonito, New Mexico. *Amer Anthropologist*, ns, Lancaster, PA, 7, 2, 1905, 183-97, Pls 17- 20(one col); 5 fig. JSL. Describes & depicts objects carved from turquoise and/or inlaid in bone with jet. Pl 17, colored, shows three such objects while Pl 20 depicts small turquoise carvings.

5067. PERCIVAL, MACIVER

Chats On | Old Jewellery And | Trinkets | By | MacIver Percival | With nearly 300 Illustrations | London | T.Fisher Unwin | Adelphi Terrace | MCMXII [title in red & black; 1912]

8°: [4]p + p 9-384 [sic]; tip-in glossy front pl with printed tissue + 38 other glossy pls, tip-ins, & includ in Pag; 56 text fig. Sepia cloth, blind title & jewel on front, black lett spine with blind jewel; another issue in pale brown cloth, dk brown lett on spine with blind frame & publ logo on cover; dk brown lett spine.20.1 x 13.7 cm(7 7/8 x 5 3/8 in). Cut. The first issue with fe & be uncut; te stained pale brown. JSL.

Cont: 1/2tp; other series bks; front; tp; publ data; pref; tab cont; ill lists; gloss; 15 chs; index.

Simply written, accurate, and matter selected with discrimination to provide a comprehensive standard reference on the subject. Diamonds and other gemstones, also pearls, are treated in Ch 11, 297-314, cameos & intaglios in Ch 12, 315-42, imitations of diamond in Ch 13, 343-56, and the last ch, 369-75, comments on several books of value to the collector.

5068. -----1912(?), New York

Chats On |...| With Nearly 300 Illustrations | New York | Frederick A. Stokes Company | Publishers [title in red & black; nd]

Like first binding above but in dk blue cloth, and title, jewel, etc in gold; te stained blue; fe & be uncut. JSL.

5069. PEREIRA, FRANCISCO LOBO LEITE Em busca das esmeraldas; escassas noticias acerca expedicao de Marcos de Azerado em busca de esmeraldas, achando diamantes, e acerca de outros tentativos posteriormente feitas para aquelle fim ate o anno de 1660. Minas Gerais Archivo Publico Mineiro, Revista, Anno 2, Ouro Preto 1897, p 519-36. Also separately in 20 p, Imp.Official de Minas Gerais, Ouro Preto, 1897. Not seen; from Iglesias & Meneghezzi, 1959, p 238, sic.

5070. PERELMAN, DALE RICHARD

Mountain | Of Light | Dale Richard Perelman |...[4 lines of poetry]...| Apollo Books | 107 Lafayette | Winona, Minnesota 55987 [1984]

Cementb: [2 blank], [5], [1 blank], ii, [2 blank], 194, [2 blank]p; 15 ill. Black paper over bds, gilt cover & spine titles; black dj, with photo of Engl crown on cover; back cover resume, vita. 20.7 x 13.5 cm (8 1/8 x 5 1/4 in). Cut. ISBN 0-916829-00-6; LC 83-90151. $12.95. JSL.

Cont: blank f; 1/2tp; tp; dedic & publ data; tab cont; introd; blank f; 5 chs; chronology; biblio(p192-94, 60 entries); blank f.

Traces the history of the Koh-I-Noor diamond from the 13th century into the present with most space devoted to the various struggles by Hindu and Moslem rulers to control India, with recounting of the several transfers of the stone between rulers until its final dispatch to England where it was recut into its present form. Obviously much of the information in this interesting volume is sound research but its presentation wavers disconcertingly between factual statement and colorful narrative, including extended imaginary conversations, especially in earlier chapters. There is a good chronology; most of the important references to the Koh-I-Noor are in the bibliography but it is not free of errors nor are the entries paginated. Rev *G & G*, 21, 4, 1985, 252.

5071. PÉREZ LACIAGA, M Minas de oro y diamantes en España. Madrid, 1920. 8°: 31 p. Not seen.

5072. PERHAM, HAZEL SCRIBNER

The | Romance | Of A | Maine Gem | The Tourmaline's Life Story | By | Hazel Scribner Perham [West Paris, ME: Stanley I.Perham, 1962]

Centerstapled: [15]p. Stiff white paper wrap, white title in black & green panel on cover with col sketch tourmaline matrix specimen. 15.2 x 11.4 cm(6 x 4 1/2 in). Cut. In white envelope bearing address lines and col reproduction of wrap.

A parable in which a "family" of tourmaline crystals in a gem pocket is unearthed by gem miners and eventually the finest members cut into gems. The author was wife of Stanley Irving Perham(1907-1973), proprietor of the well-known Maine Mineral Store at Trap Corner, Maine(obit, *Lapidary Reporter*, Feb 1, 1974).

5073. PERHAM, JANE CHARLOTTE(Mrs CARL FREDERICK HOWARD) (1945-)

Maine's | Treasure Chest | Gems and Minerals | of | Oxford County | by Jane C.Perham, G.G. [West Paris, ME: Quicksilver Publications, 1987]

Cementb: [2 blank], [8], 269, [1 blank]p; 142 b&w photos, 24 col photos on 8 glossy f(Pls a-p) bound-in between p150-151 & not includ in pag; 8 locality sketch maps; 4 topo maps serving as ch tps. Black wrap, col photo of tourmaline crystal on cover with gold & blue lett; gold spine title; author portr in col with white lett back cover(with statement "Second Edition"). 22.8 x 15.1 cm(9 x 6 in). Cut. No LC or ISBN. $17.00. JSL.

See 1st edit under STEVENS,J, issued July 1972. the present edition adds a "significant amount of information... and this historical account has been updated to the present time."

Cont: blank f; tp; publ data; dedic; tab cont; fwd; general map; text; ackn; biblio(p 254-6, 59 entries); index; blank p.

An extremely valuable historical compilation which is unmatched anywhere in the literature and based on much searching of records, in-family, and elsewhere, and keeping track of events as they occurred. After a brief introduction to the development of pegmatite mining in Maine, commencing with the discovery of gem quality tourmaline crystals at Mt Mica in 1821, no less than 35 quarries & mines are described in rich historical detail, with mentions of persons involved and what the excavations produced. Of these 22 were singled out for special treatment. In addition to the foregoing, chapters are also devoted to gold mining in Oxford County, the feldspar industry, the gem cutting industry which developed at an early stage and forced the cutters to devise their own machinery, biographical sketches of major figures, superlative jewelry pieces and cut or carved forecast of possible events in the gemstone mining industry, and a selected bibliography. The text is lavishly illustrated with many good quality photographs of which the best are views of quarries and mining operations and the worst, those of small specimen crystals and cut stones which commonly appear too dark. The color photographs vary considerably in quality from those that are sharp and true in color to some that are less sharp or considerably off-color. No serious student of gemstone mining in Maine can afford to be without this book. The author, born into the noted Maine Perham family of mineral & gemstone dealers and mining entrepreneurs, attended Bliss College in Lewiston, ME, obtained her Graduate Gemologist certificate from the Gemological Institute of America, but early in life determined to carry on the family business; she married Carl Frederick Howard in 1983.

5074. PERKINS, PERCY H, Jr

The | Gemstones | Of | The | Bible | By Percy H.Perkins, Jr. | Graduate Gemologist | Copyright 1977 © | All rights reserved [Atlanta, GA: priv publ]

Edgestapled: [7], [1 blank], 79, [1 blank]p; facsimile ltr; 3 text fig. Textured, white paper wrap, title & open bk design in blue on cover; blue plastic tape over hinge area. 27.4 x 21.2 cm(10 3/4 x 8 3/8 in). Cut. LC 78-108192. JSL.

Cont:. tp; publ data; tab cont; facs ltr; dedic; fwd; introd; text; gloss; biblio(p 76, 4 entries); index; blank p.

On the basis of studying several versions of the Bible and reading Charles Cooper's *The Precious Stones of the Bible*, 1924, which see, Perkins gives his conclusions as to the identities of the gemstones and this in the face of the large literature upon this subject in which many authorities confess their inability to identify several of the stones with any certainty. The text is a disorganized melange with a number of errors of fact and spelling. This edition was reprinted thrice in 1978.

5075. -----1981, 2nd edit

The | Gemstones | Of | The | Bible | by | Percy H.Perkins, Jr. | Graduate Gemologist | with a foreword by | Richard T.Liddicoat, Jr. | President | Gemological Institute | Of America | III [1981, 2nd printing 1985]

16°: XV, [1 blank], 137, [1 blank], [4], [2 blank]p(there is an unpaged integral f between p [IV]-V; the first gathering contains 18 f; the text pagination skips from 32 to 35, with a double glossy-f sewn-in but not paged); 6 pen & ink drawings, 2 col photos on bound-in glossy doublef unnumbered, between p 32-35. Blue, leather-type paper over bds, gold title on cover & spine. 20.8 x 13.8 cm(8 1/4 x 5 3/8 in). Cut. LC 81-90232; ISBN 960-3090-2-0.

Cont: 1/2tp; front sketch; tp; blank p; publ data; blank p; dedic; blank p; fwd; fwd to ist edit; pref to ist edit; pref to 2nd edit; review; tab cont; 10 chs(last ch is index); blank f.

Contains some additional material over that contained in the first edition but is still replete with numerous errors and misspellings and "conclusions" as to gem identities based on little more than the author's own readings of various versions of the Bible and as before, frequent reference to Cooper. Almost no other authorities on Biblical gemstones are cited and even a mention of G F Kunz is not accompanied by the names of Kunz's works in which much more thorough and reliable interpretations of Biblical gemology may be had.

5076. PERLEN Article of that name ln Krünitz's *Ökonomisch-technologische Encyklopadie oder allgemeines System der Staats, Stadt, Haus und Landwirthschaft und der Kunstgeschichte*, "zuerst fortgesetzt von F.J.Floerken, nunmehr von H.G.Florke," Bd 108, 1808, p 520-69. Not seen.

5077. PERLENFISCHEREI Perlenfischerei... Dorpat: Gedruckt bei H.Laakman, 1856, 15 p, 20 1/2 cm. Signed C.R."Sonder-Abdruck aus dem "Inland." Bibliogr footnotes. Not seen, from USGS Kunz Coll, GS 34-864.

PEROVSKY, L A, see WÖRTH, F I

PERRELLA, L, see BRUTON, E, 1983

5078. PERRY, D E With the diamond hunters in British Guiana, or, camping with the pioneers on the Mazaruni. Georgetown, 1924, 25 p. Not seen.

5079. PERRY, LILLA S

Chinese Snuff Bottles | The Adventures & Studies of a Collector | by Lilla S.Perry | Charles E.Tuttle Company: Publishers | Rutland, Vermont & Tokyo, Japan [1960]

8°: 158, [2 blank]p; 82 col photos, 73 b&w photos(mainly of bottles), 33 unnumb fig. Black silk, blind-stamped dragon both covers; front cover & spine also stamped in red lett; gold endp. Col dj, photos, lett, dragon orn, resume, vita, other bks. 24.4 x 25.8 cm(9 3/4 x 10 1/8 in), oblong. Cut. In cdbd slipcase with pasted label. USA $12.50; UK £ 5.90. LC 60-12196.

Cont: 1/2tp; front pl(includ in pag); tp; dedic & publ data; tab cont; ill list; ackn; text tp; 14 chs; biblio(p 155-6, 44 entries); index; blank f.

A fine example of modern Japanese book production that reproduces many excellent color photographs of snuff bottles in the author's collection. Topics: collecting, history of snuff bottles in China, types of bottles according to materials used, ie, glass, quartz, porcelain, milk glass, jade, other stones, organic materials, hornbill, and miscellaneous substances and including inside-painted bottles, There is also a chapter on the final disposition of collections. Perry, resident in California, writes in an easy and informative style and manages to incorporate a great deal of accurate, useful information in her text. Hugh M.Moss, "A beginners guide to Chinese snuff bottles, Part 2, *The Antique Dealer and Collectors Guide*, London, Dec 1970, p 97, states "the first serious book on the subject. Although much of the information is now out of date, the book is a must for all collectors because of its charming text and wonderful illustrations selected with unerring good taste."

5080. PERRY, NANCE & PERRY, RON

Australian Gemstones | In Colour | by | Nance And Ron Perry, F.G.A.A. | [logo] | A.H. & A.W.Reed | Sydney-Wellington-Auckland [1967]

Edgestapled: 112 p; front maps in col; 83 col photos of cut & rough gemstones; 29 other photos & drawings. Pale blue & black paper over bds, col photos both covers; b&w lett cover & spine. Oblong: 17 x 18.1 cm(6 3/4 x 7 1/8 in).Straw-yellow endp, Col dj, black & pale blue, col photos both covers, resumes, vitas. JSL.

Cont: 1/2tp; maps; tp; ackn & publ data; tab cont & dedic; pref; intro; form of gemstones; gemstones in alphabetical order; color in opal; identif; tab of properties; gloss; index.

Simplified descriptions & sources of many Australian gemstones: quartz varieties, beryl, diamond, garnet, gold, malachite, feldspar, opal, peridot, prehnite, rhodonite, corundum, topaz, tourmaline, turquoise & zircon, Each is discussed in conjunction with one or more color photographs illustrative of typical but not necessarily, Australian specimens. Data include sources, qualities, prospecting advice, tests, lapidary treatment, uses, and in some instances, prices. Attractive, Rev *Austral Gemm*, 75, 1967, 33; *G & G*, 13, 1, 1969, 39; *Gems*, 4, 3, 1972, 48.

5081. -----1969

Australian | Opals | In Colour [to left: a col photo of opal jewel] | Nance and Ron Perry F.G.A.A. | [logo] | A.H. & A.W.Reed | Sydney · Melbourne · Wellington · Auckland [1969]

Edgestapled: 112 p; front col photo; 86 pls(actually 85 text photos in color & 2 sketch maps in col in one ill); 44 b&w photos. Col plasticized paper over bds, col photo on cover, b&w lett on pale blue band; similar back cover(3 col photos); dj like covers. Pale blue flecked charcoal-type endp. Oblong: 17 x 17.8 cm(6 3/4 x 7 in). Cut. AUS 69-1221. AUS $5.00. JSL.

Cont: 1/2tp; front; tp; tab cont & publ data; pref; introd; gloss; 12 chs; index; ackn.

A most worthy addition to the literature on Australian precious opals and incorporating a preface by P J Darragh & J V Sanders who explained the real cause of color-play in opal. The illustrations are excellent with most space occupied by them but with sufficient connective & explanatory text. Describes opal mining and mining fields, nature of opal, cause of color-play, lapidary treatment, and use of opal chips in making jewelry. Color photographs mainly of specimens but also including views of countryside, mines, signs, persons, cutting and jewelry-making. Rev *J Gemm*, 12, 5, 1971, 183-4; *Austral Gemm*, 10, 9, 1970, 21; *G & G*, 13, 6, 1970, 202-3; *Gems*, 4, 4, 1972, 46.

5082. -----1980, new edit

Australian | Opals | In Colour |...| [logo] | Reed [as above, 1980]

Gatherings in sixes: 96 p; 62 col pls(actually 67 col ill in text; 42 b&w text photos; 2 part-col sketch maps an one ill. Hardcover, similar to previous but with some surfaces orange & purple endp. Oblong: 17 x 17.7 cm (6 5/8 x 6 7/8). Cut. ISBN 0 589-50289 X. JSL.

Cont: tp; publ data & tab cont; pref; introd; gloss; text; index.

Some alterations, additions, emendations; sections on "The Breakaway" and "Flowers of the Inland," p 52-5 of the previous edition omitted; many shifts in color & other ill; ackn omitted.

5083. -----1979 Gemstones in Australia. Sydney: A.H. & A.W.Reed Pty Ltd, 1979, 158 p, ill in b&w & col. Not seen. Rev by M O'Donoghue, *J Gemm*, 17, 3, 1980, 198: "a most uneven book with some hideous misprints, attractive illustrations and useful locality information... bibliography totally inadequate, index and glossary poor."

5084. -----1980

Practical | Gemcutting | A guide to shaping and polishing gemstones | [logo] [Sydney: A.H. & A.W.Reed Pty Ltd, 1980]

8°: 95, [1 blank]p; 64 photos; 34 line drawings. Stiff, pale yellow wrap; col drawing on cover; resume, vitas back cover; pale brown endp. 26 x 18.5 cm(10 1/4 x 7 1/4 in). Cut. ISBN 0 589-50192 5. JSL.

Cont:1/2tp; tp; publ data & other authors bks; tab cont; introd; text; append I-II; index; blank p.

Succinct treatment of major lapidary processes with good illustrations and based on the personal experiences of the authors over many years of commercial lapidary work. Topics: abrasives, polishes, grinding, sawing, sanding, tumbling, dopping, faceting, lapping, carving, with advice on care of shop, safety, and with an extended table of gemstone properties, suitable cutting angles for faceted kinds, and drawings for home-made machinery. No biblio.

5085. -----1982

Prospector's Guide to | Gemstones | in Australia | N. & R.Perry | [logo] [Frenchs Forest, New South Wales: A.H.& A.W.Reed Pty Ltd,1982]

8°: 112 p; 28 photos, 30 sketch maps. Thick paper wrap, col photo over both covers; resume, vita back cover. 24.5 x 17.8 cm(9 5/8 x 7 in). Cut. ISBN 0 589 50301 4. JSL.

Cont: 1/2tp; tp; ackn & publ data; tab cont; map list; introd; text; gloss; biblio(p 110, 7 entries); index.

Brief remarks on how to prospect with advice on working alluvial deposits, other types of deposits, how they are prospected, identification of stones in the field, with locality information for Australia, state by state, which material forms the main body of text. There are also remarks on accomodations, sources of

further information, and a list of clubs and other useful addresses.

PERRY, RITA, see OPIFICIUS, RUTH, et al

5086. PERRY, W J The relationship between the geographical distribution of megalithic monuments and ancient mines. *Manchester Memoirs*, 60, 1, 1915, 1-28, with remarks by Prof G Elliot Smith, p 29-36. How precious metals, pearls, gemstones, diamonds, amber, and other minerals of value occur in regions where megalithic monuments occur, the inference being that the latter were established by ancient peoples after their explorations had discovered the natural resources mentioned and subsequently erected cultural centers about such focal points of natural wealth,

5087. PESCE, G Gemme medicee del Museo Nazionale di Napoli. *Revista del Reale Istituto di Archeologia e Storia dell'Arte*, 5, 1&2, 1935, p 50-97. Not seen.

5088. PETAR, ALICE V Amber. *US BuMines Info Circ* I.C. 6789, Jun 1934, Washington, D.C. Edgestapled, mimeo sheets, tf + 13 p, 10 1/2 x 8 in. JSL. Basic facts for the general public: description, properties, uses, ambroid, distillation products, substitutes, history, occurrences, mining, production; 28 ref footnotes; 19 biblio entries.

5089. -----1936 Jade. I.C. 6844, Jan 1936, tf + 16 p; 8 footnote ref. JSL.

PETERS, C G, see KRAUS, E H, et al, 1946

PETERSON, HAROLD, see NA CHIH-LIANG, 1977

5090. PETERSON, HELEN(1934-)

$1.50 | Peterson Guide | To | Mineral Collecting | Bancroft Area | Including locations at: |...[6 lines]...| Exact mileages to locations via your | highway map | Plus - Historical notes | -Tourist notes - area information | -Sources of information | -How to get started in the hobby | [to left:] Compiled by | Helen Peterson | [to right:] Published by: © 1970 | Parkwood Beach Ltd. | RR 3 Bancroft Ont. [title on wrap]

Centerstapled: [44]p; 2 sketch maps. Red paper wrap. 21.7 x 14 cm(8 1/2 x 5 1/2 in), Cut. JSL.

Field trips in the mineral-rich Bancroft, Ontario region of Canada, including deposits yielding gem-grade feldspars, transparent apatite, corundum, sodalite, etc. A standard and useful guide.

5091. -----1978, 2nd edit

Peterson Guide |...| price $3.50 | compiled and published by | Helen Peterson © 1978 | Second Edition - Updated And Revised [wrap title]

Centerstapled: [60]p; centerfold sketch map in blue. Bright red stiff paper wrap. Same size. JSL. Contains much additional information plus a biography of the author and an index.

5092. PETERSON, JAMES ALFRED

Finding And Preparing Precious | And | Semiprecious Stones | James A. Peterson | Photographs by Mike Caggiano | Association Press · New York [New York, 291 Broadway; 1974]

Cementb: 96 p; photo on 1/2tp; 18 fig; 3 charts(2 diagrs & sketch). Red paper wrap, white & black lett with photos on front cover; back cover resume. 28 x 21.5 cm(11 x 8 1/2 in). Cut. $6.95. LC 74-1276; ISBN 0-8096- 1826-5. JSL.

Cont: 1/2tp; other publ bks; tp; publ data & ackn; tab cont; pref; 6 chs; localities list; biblio(p 94, 20 entries); index.

An uneven, often disjointed presentation of material so wide in scope that no more than a bare introduction to such topics as geology, mineralogy, gemology, collecting, lapidary work and jewelry-making is possible. The rambling text incorporates many personal anecdotes which contribute little to the reader's fund of knowledge and errors in fact and spelling are common. The author devotes far too much space to screening gem gravels, perhaps because he is proprietor of an alluvial corundum deposit in Montana. The lengthy localities list is essentially useless because it lacks precise locality information.

5093. PETERSON, N V Oregon "sunstones." State of Oregon, Dept Geol & Min Industries *The Ore Bin*, Portland, 34, 12, Dec 1972, 197-215, 15 fig(2 maps, diagr, photos), tab, 14 ref. JSL. Describes large gem-quality labradorite sunstones that occur in a basaltic flow in Rabbit Basin, Lake Co: location, history of discovery & mining, geology & mineralogy of deposit, methods of recovery, qualities, varieties, usefulness as gemstones.

PETERSON, OLE V, see SBORNIK NARODNIHO MUZEA

PETIT, M, see TAVERNIER, J B, 1882

5094. PETRI, EDWARD E, COMPANY

Gems | Their Lure And Lore | [rule] | [logo] | [rule] | Published By | Edward E.Petri Company | 1934 [Indianapolis, IN; title in frame]

8°: 110, [1], [1 blank]p. Brown, flocked bds; blind title on front cover; pale brown cloth spine with title, rules, star in dk brown ink; pale tan hand-laid type endp; pale tan text paper. 20.3 x 15.4 cm(8 x 6 1/8 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; text; note; blank p.

Beautifully designed promotional book issued by a firm of Indianapolis, Indiana jewelers. Contains many short sections on gems in general, natal stones, zodiacal signs, planets, gems of the week, the months, plus other lore, then short descriptions with some technical information on a large number of gemstones commencing with agate and ending with zircon (ca 50).

PETRIE, Sir WILLIAM MATTHEW FLINDERS(1853-1942)

Brit archeologist; b Charlton; educ by parents; hon degrees from Oxford U 1892, Edinburgh U 1896, Strasbourg U 1897, Cambridge U 1900 in recognition of lifelong studies, researches, field trips, writings in archeology in England, Egypt, Palestine, but most important work conducted in Egypt. Despite large writing output maintained high standards in same. DNB.

5095. -----1889

Historical Scarabs: | A Series Of Drawings From The | Principal Collections. | Arranged Chronologically. | By |

W.M.Flinders Petrie, | Author of "Pyramids And Temples Of Gizeh"; "Tanis," I and II; | "Naukratis," I; "A Season In Egypt"; "Hawara, | Biahmu, And Arsinoe," Etc. | London: | D.Nutt, 270, Strand. | [rule] | 1889.

8°: 14, [2 blank]p; 15 fold panels bound-in after text, each bearing 3-5 fullpage sketches of numerous scarabs(66 pages), the panels in two lengths: 13 that are 49.5 cm(19 1/2 in) long and 2 that are 30.4 cm(12 in) long; the sketches are printed recto only. In this copy, panel 65-68 is bound-in ahead of panel 60-64. Dull purplish-brown cloth, gold cover title; pale yellow dull-finish endp. 17.5 x 11.5 cm(6 7/8 x 4 1/2 in). Cut. JSL.

Cont: 1/2tp; other author bks; tp; introd; blank f; panels.

A remarkable work in respect to the painstaking assemblage of no less that "2,220 scarabs and other objects directly, and 143 more by drawings which were made from other specimens... total... 2,363," and the unusual manner in which it was decided to present the illustrations. The scarabs are soft schist or steatite unless otherwise described, but there are some of ceramic and paste with colors indicated by letters and dynastic information placed on the drawings. Rare. Another edit in 1909?; not seen.

5096. -----1974, reprinted, 14 p, 68 pls. Not seen.

5097. -----1914

Amulets | Illustrated By The Egyptian Collection In | University College, London | By | W.M.Flinders Petrie | Hon. D.C.L., LL.D., Litt.D., Ph.D., F.R.S., F.B.A., Hon F.S.A.(Scot.), A.R.I/B.A., Member Of The Royal Irish Academy, |... [6 mores lines of hons & mbrships]... | London | Constable & Company Ltd | 10 Orange Street Leicester Square WC | 1914

4°: x, 58 p; 58 pls(47 photo pls on glossy white paper, 6 pls of line drawings on yellowish paper, 1 pl of inscriptions on same paper). Text paper pale tan. 1/3 red cloth, pale greenish-gray paper over bds, black cover title; gold spine title. 30.8 x 24.7 cm(12 1/8 x 9 3/4 in). Cut. JSL.

Cont; 1/2tp; tp; tab cont; pls list; note; 10 chs; properties of stones; list of amulet groups; index; pls.

The note declares this to be the first of series of works on Egyptian antiquities. After two chapters explaining amulets and their significance in ancient Egypt, Petrie describes the several types of amulets and finishes with a chapter on positioning of amulets, properties of the stones used in their manufacture, including some gemstones, and provides a list of the amulets. Many hundreds are depicted photographically on the plates, including those made from stones & gemstones, and a few engraved gems. Petrie's discourse on gemstones, p 52, indicates that many of these, as well as the commoner stones, were regularly used to make amulets. A scarce work, of which the later authority, E Knight, *Amentet*, p x, which see, claims "no serious student of Egyptian amulets can well dispense with this remarkable work, in which two hundred and seventy different kinds of amulets are described, and some thousands of specimens illustrated. It covers the whole field with painstaking and characteristic thoroughness, and for the first time offers a system of scientific classification which is simple, workable, and in so far as modern knowledge goes, approximately complete."

5098. -----1917

British School Of Archaeology In Egypt | And Egyptian Research Account | Twenty-First Year, 1915 | [rule] | Scarabs | And Cylinders | With Names | Illustrated By The Egyptian Collection In University College, London | By | W.M.Flinders Petrie | Hon.D.C.L., LL.D., LITT.D., F.R.S., F.B.A., Hon. F.S.A.(Scot.), A.R.I.B.A. |...[6 lines hons & mbrships]...| [rule] | London | School Of Archaeology In Egypt | University College, Gower Street, W.C.| And | Constable & Co. Ltd., 10 Orange Street, Leicester Square | And | Bernard Quaritich, 11 Grafton Street, New Bond Street | 1917

4°: viii, 46 p; 5 glossy f of inscriptions bound-in with paper hinges and printed recto only + [1], [i]-lviii, [1]p of plates with show the same numbers, ie, I-LVII, inserted in text + Pls LIX-LXXIII. After the introductory text, all pls bound-in with paper hinges; semi-glossy paper, printed one side only; 2 text fig. Front pls, tip-in. Pale gray paper bds, black cover title, dark red cloth spine & corners, gold title on spine. 30.7 x 25 cm (12 1/8 x 9 3/4 in). Cut. JSL.

Cont: front; tp; print data; officers list; tab cont & errata; statement of charities, etc; system of cat; introd; 9 chs; pls contents; summary; works by Petrie(p [42], 52 entries); index; inscript index(to 5 pls); pls sect tp; text with interspersed pls.

A major, highly important work, perhaps unncessarily complicated in format due to poor planning in the formative stages, but useful nevertheless. It includes remarks on the uses of scarabs in amulets and otherwise, varieties of scarabs, and in Ch 3, p 8-10, provides a discussion of the manufacture of scarabs in which lapidary techniques are described, the nature of gemstones, and other matters. The catalog employs ordinary text paper but a singular stock for the plates which are glazed on one side only to receive the hundreds of photograppic illustrations. The line drawings, on the other hand, are reproduced on uniformly-finished semi-glossy paper. All of the plates and text leaves in this section are tipped to paper hinges.

5099. -----1974, reprinted, 188 p, 80 pls, $18.50. Not seen.

5100. -----1925

British School Of Archaeology In Egypt | Twenty-Fourth Year, 1918 | [rule] | Buttons | And Design Scarabs | Illustrated By The The Egyptian Collection In University College, London | By | Sir Flinders Petrie, Hon.D.C.L., L.L.D., LITT.D. | F.R.S., F.B.A., Hon.F.S.A.,(Scot.), M.R.I.A., M.S.N.A., M.A., Ph.S. | [rule] | London | British School Of Archaeology In Egypt | University College, Gower Street, W.C.I | And | Bernard Quaritch | 11 Grafton Street, New Bond Street, W. | 1925

4°: [6], 34, [1], [1 blank] p + 30 glossy pls, bound-in, printed one side only, with a text f inserted betw Pl XXIV-XXV. Tan Paper over bds, black title on cover, other School publs back cover; dk red cloth spine & corners, gold spine title. 30.7 x 24.4 cm(12 1/8 x 9 5/8 in). Cut. JSL.

Cont: tp; print data; officer list; tab cont; pls list; note; 12 chs; index; other School publs; blank p; pls.

Describes and discusses button-like scarabs and seals, some meant to be worn as insignia of rank. Describes shapes, styles, motifs, etc; many hundreds illustrated in photographs & line drawings on the plates; a large proportion are made from stones and gemstones, such materials being specifically treated on p 16-17 but also mentioned elsewhere.

PETRIFIED FOREST NATIONAL PARK, see **ARIZONA HIGHWAYS**

5101. PETROV, V N Kratkoe obozrenie mozaichnogo dela, osobenno v Rossii. St Petersburg, 1864, 86 p. Not seen: brief description of mosaic industry in Russia.

5102. -----1933. Gagat. *Osobyi vid iskopaemogo uglya, kak podelochnyi material dlya obrabatyvayushchei promyshlennosti*, Chast 1, Moscow, 1933, 66 p. Not seen: on jet, "a special type of mined coal as imitation material for the industry."

5103. PETROV, V P, Editor

Akademiya Nauk SSSR | Institut Geologii | Rudnykh Mestorozhdeniy, | Petrografii, Mineralogii | I Geokhimii | [rule] | Dragotsennye | I Tsvetnye | Kamni | [logo] | Izdatelstvo | "Nauka" | Moskva | 1980

Cementb: 290, [2]p; many diagrs, photos, maps, and includes a fold leaf bearing 3 large map/diagrams both sides, loosely inserted. Orange wrap, black cover & spine title. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Cut. 1 r, 30 k. 8,400 copies. JSL.

Cont: tp; staff personnel; introd; text; tab cont; advert; publ data.

Compiles 26 articles on geological-mineralogical aspects of gemstones and their deposits in USSR classified under headings of general articles (6), magmatic deposits(4), pegmatite deposits(3), contact-metamorphic deposits(9), hydrothermal deposits(2), and secondary deposits(2). Gemstones include iridescent feldspars, amazonite, obsidian, garnet & olivine from kimberlites, Uralian pegmatite species, chrome diopside, emerald, spinel, hydrogrossular, amethyst, agate, rhodonite and turquoise. As is typical of recent gemstone studies in the USSR very little is said about lapidary suitability and commercial possibilities.

PETROV, V P, see BELIKOV, B P

5104. PETROV, VIKTOR SEMENOVICH

V.S.Petrov | Dragotsennye | I Tsvetnye | Kamni | Izdatelstvo | Moskovskogo Universiteta | 1963

Edgestapled: 134, [2]p; 37 fig. Black paper wrap, col title on cover with crystal in blue. 21.4 x 14.5 cm(8 1/2 x 5 5/8 in). Cut, 12,600 copies. 39 k. JSL.

Cont: tp; publ data; introd; text; summary; classif scheme; tab cont; publ data.

A general treatise on precious and colored gemstones. Topics: esteem of gemstones, history of, origin, properties, crystallography, methods of crystal growth, cutting, imitations & synthetics, descriptions: diamond, quartzes, corundums, beryls, garnets, tourmalines, spinel, alexandrite, turquoise, euclase, organics(pearl, amber, jet, copal), also ornamental stones as nephrite, jaspers, lapis lazuli, rhodonite, malachite, fluorite, and marbles. Emphasizes Russian materials, uses in USSR, Russian artisans in stone.

PETRUNKEVITCH, ALEXANDER(1875-1964)

Entomologist; b Ukraine, stud Moscow U; PhD Freiburg 1900; docent Freiburg U 1901-3; lect Harvard U 1903-4; prof zool Yale U 1917-44; emeritus 1944-.

5105. -----1942 [Study on amber spiders]. *Trans Conn Acad*, 34, 1942, 119-464, 627 fig on 69 pls; not seen.

5106. -----1950 Baltic amber spiders in the Museum of Comparative Zoölogy. Cambridge, The Museum, 1950. In: *Bull, Mus Comp Zool, Harvard*, 103, 5, 257-337, 27 pls. Not seen; from LC A 50-5302.

5107. -----1958

Volume 41 July 1958 Pages 97-400 | [rule] | Transactions of | The Connecticut Academy | Of Arts And Sciences | Amber Spiders In | European Collections | By | Alexander Petrunkevitch | [logo] | New Haven Connecticut | Published By The Academy | And To Be Obtained From The | Yale University Press | Or From | Einar Munksgaard, Ltd., Copenhagen

8°: [97-99], 100-400; 591 line drawings. Pale orange paper wrap, title in frame on cover; vol contents back cover. 23.1 x 15.5 cm(9 1/8 x 6 1/8 in). Cut. $7.00. JSL.

Cont: tp; tab cont; introd; text; biblio(394-6, 36 entries); index. "The present paper is the fourth in the series of those dealing with amber spiders... instead of giving photographic reproductions of every spider newly described... a line drawing made with the aid of a camera lucida shows the specimen as it appears in the piece of amber." The introduction explains mounting & preservation techniques and acknowledges help with specimens from European museums. Main text describes the specimens. There is a key to Tertiary spider families, a complete list of Oligocene amber spiders, a list of Tertiary spiders other than those found in Baltic amber, references to books & articles on amber and Tertiary spiders, and an index of families described or listed in this paper.

5108. PETRUNKEVITCH, A; CAMPBELL, J M; FENNAH, R G; TÜRK, ERICH & WITTMER, WALTER

Studies of fossiliferous amber arthropods of Chiapas, Mexico. *U Calif Publs Entymol*, 31, 1, 1963, [4]p + p 1-60, 3 photo pls tip-in; print wrap. JSL. Contains 5 articles by the authors named, the largest being on spiders by Petrunkevitch and of interest here because of his notes on specific localities for amber in Chiapas.

5109. PETRUS ARLENSIS DE SCUDALUPIS

Sympathia | Septem | Metallo- | Rvm, Ac Septem | Selectorvm | Lapidvm Ad | Planetas. | D.Petri Arlensis, | de Scudalupis, Hierosolymi- | tani Presbyteri. | [woodcut publ device] | Parisiis, | Apud Davidem Gillivm, Via | Iacobaea sub signo trium | Coronarum. | [rule] | M.D.CX. [Paris, 1610]

For description, see Leonardus *Speculum Lapidum*, with which it was published by the same publisher in the same year. This, however, is its first appearance, though not published independently. Thorndike, *History of Magic*, 6, 301-2, notes that "this Petrus Arlensis, who is styled a priest of Jerusalem, while condemning the "false magic" of the Arabs, approves of natural magic and of "holy and divine wisdom." He admits that there are many evil characters employed in magic, and that the characters carved on stones have no power or significance, but he approves of Hebrew characters and of the sign of the cross. Knowledge of natural magic, he says, is "the contemplation of secret things in their natures, properties, powers, qualities, substances and virtues." In essence, the *Sympathia* discusses the possible connections and influences of the seven planets on the seven gems and the seven metals, and, presumably, according to astrological superstition, the wearer of a ring made of the proper metal and set with the proper gemstone, and selected according to the astrological sign under which birth occurred, being then most effectively protected against evil influences. All of this is

visually summarized in the quaint fullpage woodcut illustration on p 259 whereupon are shown the seven appropriate rings: turquoise in lead, Saturn; carnelian in tin, Jupiter; emerald in iron, Mars; diamond(or sapphire) in gold, the Sun; amethyst in copper, Venus; magnetite in mercury(sic), Mercury; and rock crystal in silver, the Moon. The text contains ten chapters describing in detail all the gems, metals and planets and interconnections, and tediously citing ancient beliefs in the nature and powers of the substances involved, their choice and preparation, the specific uses for the combinations named, and ending with a chapter on natural magic and the supposed magical value of inscriptions on gems. One of the most remarkable features of the work is the lengths to which the author carries what can only be described as sheer speculations in the power of the substances treated. Concerning magical powers of inscriptions on gems, see P J Mariette, *Traité des Pierres gravées*, 1, 1750, p 249 which discusses the present work.

5110. -----1715, extracts in German translation: D.Petrus Arlensis de Scudalupis enucleatus, oder kurtzer Auszug der Alchymistischen Processe und anderer Curiositäten, so dieser Autor... in seinem vormahls Anno 1610 zu Pariss gedruckten, anietzo aber sehr raren Tractat von der Sympathia der sieben Metallen... Nunmehr aus dem Lateinischen ins Teutsche übersetzt... Berlin, Bey Johann Andreas Rüdiger, 1715. 8°:pp[8], 104. Not seen, from J Ferguson, *Bibliotheca Chemica*, 2, 184, who notes that the work "is said to have appeared first in Madrid and then at Rome. This, however, lacks confirmation, and Lessing doubts the existence of these editions." Further, "according to Schmieder the epithet 'Arlensis' denotes that he was a native of Arles in Rousillon... lived in the East... and must have lived in the sixteenth century." Ferguson also notes that this work was first printed in 1610, as given above, and afterwards at Hamburg in 1717, ie, 'P.Arlensis de S. redivivus' by Hannemann, and at Augsburg. "The preface of the 1715 edition contains an account of the opal which the writer endows with all the virtues of the other precious stones and which he praises for its beauty and its curative power." Ferguson includes this work because of the considerable detail on metallurgical processes embodied in the discussions of the seven metals and their preparation and especially in the case of mercury which normally is liquid and must therefore be converted into an amalgam.

PETZHOLDT, GEORG PAUL ALEXANDER(1810-1889)

Medical doctor & prof of agriculture & technology, Dorpat U in Esthonia, 1846-; also wrote short essays on the diamond and its combustion. Pogg 2, 420-1.

5111. -----1842

Beiträge | zur | Naturgeschichte Des Diamantes. | Von | Dr.Alexander Petzholdt. | [rule] | Mit einer Kupfertafel. | [orn rule] | Dresden und Leipzig, | in der Arnoldischen Buchhandlung. | [rule] | 1842.

8°: [9], [1 blank], 56 p; engrav pl. Pale green wrap, cover title in orn frame; adverts other surfaces. 22.8 x 13.2 cm(9 x 5 1/8 in). Uncut. USGS Kunz Coll, GS 34-800; JSL; Agassiz IV, 99.

Cont: tp; dedic tp; dedic; tab cont; 8 chs; pl explan; pl.

An early scientific treatise on the diamond which begins with an introductory history of the diamond, followed by remarks on several regions in the world in which it occurs in alluvial deposits. A chapter is devoted to its physical properties, crystal morphology, cleavage, hardness, specific gravity, electrical properties, color, fracture, etc. The next chapter deals with chemistry but is largely a discussion of previous experiments on the combustion of diamond and speculations as to the possible presence of impurities which may give rise to color in particular. The question of impurities is further developed in the next chapter in which all types of inclusions are described. Next the diamond occurrences are discussed and satellites described. A very short chapter describes recovery of diamonds from alluvial deposits and is followed by speculations on the origin of diamond in which several current views are compared. The last chapter treats the technological and scientific applications although admitting that the major use is in faceted gems. The engraved plate depicts inclusions which Petzholdt identifies as quartz.

5112. -----1853

Silicification | Organischer Körper. | [rule] | Eine Geologische Abhandlung | von | Alexander Petzholdt. | [rule] | Mit 32 Abbildungen. | [orn rule] | Halle, | Druck Und Verlag Von H.W.Schmidt. | 1853.

4°: VI, [1], [1 blank]p, 37 p; front litho pl + another at end of text + [2] advert p. Tan paper wrap, title in elaborate frame on cover; adverts other surfaces. 30.2 x 23.5 cm(11 7/8 x 9 1/4 in). Uncut. JSL.

Cont: front; tp; dedic; fwd; tab cont; introd; text; append; post- script; pl explan; blank p; pl; advert.

The text in two parts begins with descriptions of silicified materials, including fossils, and points out that silicification proceeds from the exterior inwards, that the calcareous parts of fossils are attacked, that nodular excrescences and ring systems are only secondary phenomena and not inextricably bound up with the silicification process, and that the process can continue without the presence of an organic substance. The second part is theoretical, with Petzholdt dividing silicification into two classes, namely, envelopement of the body without replacement (cast) and replacement in part or whole. Chemical analyses show the extents to which various specimens have been replaced by silica. The plates primarily depict silicified fossils but such processes are important in the replacement of wood and other materials as well.

5112A. PEUCKERT, WILL=ERICH

Will=Erich Peuckert | Zauber der Steine | [logo] | Paul List Verlag Leipzig [1936]

8°: 61, [3]p; fig & several tables in text. Pale brown, patterned "antique paste" patterned paper over bds, with front cover word "Lebendiges Wort," and tan printed title label with symbol; pale tan printed spine label. 18.7 x 12.5 cm(7 3/8 x 4 7/8 in). Cut. 75 Pfg. JSL.

Cont: tp; publ data; fwd; 3 chs; conclusion; tab cont; adverts.

The author's lifelong encounters and studies in stones, gemstones included, in which lore and magic are emphasized rather than "hexagonalen Systemen oder von Dünnschliffen die Rede war." He then presents many short studies and anecdotes on ordinary stones as granite, gneiss, mica schist, and others in his first chapter, then the seven metals of magical lore in the second chapter, namely gold, silver, iron, pyrite(sic), bloodstone or hematite(sic), copper & tin, lead, and quicksilver. The third chapter, entitled "About the Power and Virtues of Noble

Stones," treats the planetary gemstones, the birthstones, diamond, semiprecious stones, carbuncle and emerald, and the stones of Albertus Magnus and other "magicians." Published in troubled times this booklet is now quite scarce.

5113. PEYSONNEL, SIEUR DE Of a manuscript treatise presented to the Royal Society, intitled, a treatise on coral, and several other productions furnished by the sea, in order to illustrate its natural history. By the Sieur de Peysonnel, M.D. &c. Extracted and translated from the French, by Mr. William Watson, F.R.S. p.445. *The Phil Trans Roy Soc of London, Abridged*, London, 10, 1809, 257-68. "This curious treatise, containing upwards of 400 quarto pages in MS, was transmitted to the R.S. from Guadeloupe, where the author resided as physician botanist. It is the result of the observations of above 30 years. It is divided into 2 parts; the first relates to coral only, and is subdivided into 10 chapters; to which is subjoined a catalogue of the remedies and compositions, as well chemical as galenical, in which coral is an ingredient." Watson goes on to say that in this first part, the chapters present previous views on the nature of coral and whether or not it is animal or vegetable, new observations by Peysonnel, the definition and etymology of coral names, colors, and sizes of corals, followed by chapters on places where coral is fished, the manner of fishing, and the treatment of coral in the manufacture of various finished ornamental objects. In the last three chapters, the chemical preparations utilizing coral, and the medicines made therefrom are described, along with comments on the supposed virtues.

5114. PEZARD, MAURICE Étude sur les intailles susiennes. *Mém publiés sous la direction de J. de Morgan, Délegation en Perse*, Paris, vol 12, 1911, 79-141. Not seen.

5115. PFAFFL, FRITZ Die Edelsteinsammlung des Herzogs Maximilian von Leuchtenberg (1817-1852) in Eichstätt (Bayern): Beitrag zur Geschichte der Mineralogischen Staatssammlung München. *Der Aufschluss*, 29, 1978, 175-91, 9 fig, 31 ref. Historical details on formation of an important collection of gemstones. JSL.

PFALER, A A von; BESCHE, GEORGE DE & LILLE, B O, see GADOLIN

PFEIFFER, FRANZ, see MEGENBERG, K, 1962

5116. PFEIFFER, LUDWIG

Die | Steinzeitliche | Muscheltechnik | Und Ihre Beziehungen Zur Gegenwart | Ein Beitrag Zur Geschichte Der Arbeit | Und Zur Psychologie Der Geräte | Von | Dr.Ludwig Pfeiffer | Geh.Med.-Rat In Weimar | Mit 332 Abbildungen Im Text | [logo] | Jena | Verlag Von Gustav Fischer | 1914.

8°: VIII, 334 p; 332 fig(photos, sketches, maps). Original binding not seen. 27.2 x 19.8 cm(10 3/4 x 7 3/4 in). Cropped. RMk 15. JSL.

Cont: tp; publ data; fwd; tab cont; 29 chs; biblio(110 entries); index.

Amazingly comprehensive monograph on the worldwide use by primitive peoples of fresh and saltwater shells in ornament, decoration of objects, and manufacture of numerous types of tools and implements. Many species of shellfish treated, from gastropods to bivalves, and in terms of size, from the immense tridacna to the diminutive shells of snails. Pearly shells, both fresh- and saltwater, are also included but relatively few remarks are made on pearls. Ch 2 discusses characteristics of shells, Ch 3 deals with tridacna but also contains much information on the methods used to cut up shells, perforate and shape them, or otherwise prepare them for use. Shell necklaces receive full treatment in Ch 7. Nacreous shellfish are treated in chs 3 and 10, The author also discusses other kinds of materials used in conjunction with shells and therefore the reader will find scattered about the text references to such diverse substances as tusks, ivory, teeth, bone, amber, jet, coral, obsidian and nephrite. The references are mainly scientific, p 319-23. While primarily of interest to the archeologist and anthropologist, there is much in this work to interest the historian of jewelry and personal adornment.

5117. -----1920

Die Werkzeuge | Des | Steinzeit-Menschen | Aus Der Technologischen Abteilung | Des Städtischen Museums In Weimar | von | Dr.L.Pfeiffer | Geh. Med.-Rat In Weimar | Mit 540 Meist Original-Abbildungen Im Text | [logo] | Jena | Verlag Von Gustav Fischer | 1920

8°: X, 415p; 540 fig. Plain orange wrap. 24.3 x 16.4 cm(9 5/8 x 6 3/8 in). Uncut, unopened. Paper: RMk 9.50; cloth: RMk 11.- JSL.

Cont: tp; publ data; dedic; pref; tab cont & ill list; 50 chs in 3 parts; biblio(p 394-405, ca 475 entries); subj index.

On the tools of Stone Age man, with much of interest in the first part which treats the tools themselves, the raw materials used, including flint and other stones & minerals, ivory, and bone, how they were made, and some description of lapidary processes as boring, sawing, and shaping by rubbing with abrasives. The second part deals with agricultural tools while the last part describes ceramics. Richly illustrated with many sketches, photographs, and maps.

5118. PFIZENMAYER, E W

Siberian Man | And Mammoth | By | E.W.Pfizenmayer | Translated from the German | By | Muriel D.Simpson, M.A. | [logo] | Blackie & Son Limited | London And Glasgow [1939]

8°: xii, 256p; 25 tip-in glossy photo pls(9 in b&w, 16 in sepia); 19 line drawings; fold route map tip-in facing p 1. Terra cotta cloth, gilt spine title. Col dj, sepia picture of mammoth on front; b&w line drawing of manmoth on spine; resume on flap; another publ bk on back. 21.7 x 14.7 cm(8 1/2 x 5 3/4 in). Cut. 12s 6d net. JSL. LC 39-30562.

Cont: 1/2tp; publ addresses; front pl; tp; publ data; pref; tab cont; pls & maps list; 14 chs; 2 appends; index.

Under commission by the Academy of Science, St Petersburg, the author participated in two expeditions into northeastern Siberia, 1901-1902 and 1908, to recover well-preserved mammoth remains and arrange for their shipment to St Petersburg. The routes followed are shown on the folding map along with sites of previous mammoth finds during the period 1707-1910. A highly interesting account of his adventures and finds, with frequent references to mammoth ivory tusks, their recovery, sale, and shipment to China and other countries, as well as illustrations and descriptions of the various articles made from the ivory by natives. The most important comments appear on pages 182-5. The work of Pfizenmayer is referred to by Bassett Digby in his similar *The Mammoth and Mammoth-Hunting in NorthEast*

Siberia, 1926, which see, especially in connection with Pfizenmayer's theory that in the mammoth, the tusks pointed downward instead of upward as is true of the modern elephant.

5119. PFIZMAIER, AUGUST Beiträge zur Geschichte der Edelsteine und des Goldes. *Mem K Akad Wiss*, Wien, 58, 1863, 181-256; also in *Sitzungsber Wiener Akad, Phil-hist Cl*, 58, 1868, 194-7, containing notes on amber apparently translated from the encyclopedia *Yen chien lei han*. Not seen; referenced by Mély, Lapidaires Chinois, 1, p xxi.

5120. -----1868 Beiträge zur Geschichte der Perlen. *Sitzungsber k Akad Wiss Wien*, Phil-hist Cl, 58, 1868, 617-54. Not seen; referenced G F Kunz, *Book of the Pearl*, bibliogr.

5121. PFLUG, R Zur Geologie der südlichen Espinhaco-Zone und ihrer präkambrischen Diamantvorkommen, Minas Gerais, Brasilien. *Zs Dt Geol Ges*, 1963, 115, 1, 1963, 177-215. Not seen.

5122. PFUND, A H The colors of mother-of-pearl. *J Franklin Inst*, Phila, 183, 1917, 453-64, 9 fig. JSL. After examining the shell of freshwater mussel *Abovaria ellipsis*(Lea), concludes that mother-of-pearl owes its colors to (a) diffraction of light from a grating-like structure of terminal edges of successive laminae, and (b) interference of light due to reflection from numerous parallel laminae of sensibly equal thickness.

5123. PHALEN, WILLIAM CLIFTON(1877-1949) A new occurrence of unakite - a preliminary paper. *Smithson Misc Coll*(Quart Issue), 45, no 1454, 1904, 306-16, Pls 69-71, Fig 39. Also separately in green print wrap. JSL. Describes unakite at summit of Blue Ridge at Milam's Gap, 7 mi S of Luray, VA; first plate is locality map, part col; other plates show the rock and thin sections.

5124. PHERU, THAKKAR Ratna Pariksha. Not seen. Of this work, Raj Roop Tank, *Indian Gemmology*, 1971, p xi, which see, states that "during the reign of Sultan Allaudin Khilji of Delhi, his jeweller Thakkar Pheru wrote a book in Prakrit "Ratna Pariksha" (Examination of Gems) for the use of his son Hempal (Samwat year 1372 or A.D. 1316)... The book is at present in the possession of Shri Agar Chand Nahata of Bikaner and has recently been publshed by the Institute of Oriental Research, Jodhpur. This book contains more detailed information about Precious Stones than other books by contemporary authors or those preceding it. Thakkar Pheru has included 84 Gems (inclusive of 75 Semiprecious Stones) in his treatise. This is the traditional number. Some additions have been made to this number in recent times, but on closer examination it would be found that the new additions are only the variations of the Gem Stones already enumerated by the aforesaid learned author."

5125. PHILIPPINE COMMISSION Report of the Philippine Commission to the Secretary of War 1908. Appendix. Notes and reports on mineral resources, mines and mining, pearl, shell, and sponge fisheries. Washington, Government Printing Office, 1909. *Annual Reports, War Dept*, FY ended Jun 30, 1908, 8°: XI, 584 p, olive green cloth, gilt. JSL. Contains: "Compilation of notes and reports on the pearl, shell, and sponge fisheries of the Philippine Islands," 521-54.

5126. PHILIPSBORN, HELMUT VON(1892-) Beziehung zwischen Lichtbrechung, Dichte und chemischer Zusammensetzung in der Granatgruppe. *Abhandl Math-phys Kl Sächsischen Akad Wiss*, Leipzig, 40, 111, 1928, 43 p. JSL.

PHILLIPS, F C, see SMITH, G F H, 1958, 1972

PHILLIPS, J, see TAVERNIER, J B, 1905

5127. PHILLIPS, Sir LIONEL(1855-)

Some | Reminiscences | By | Lionel Phillips | Author Of "Transvaal Problems" | London | Hutchinson & Co | Paternoster Row [1924]

8°: xl, first f blank; 296p; glossy front portr pl tip-in + 14 photos on 13 glossy tip-in f + 1 cartoon on tip-in glossy f. Gray-blue cloth, blind frame on cover; gold lett & rules on spine. 23 x 15.3 cm(9 x 6 in). Cut. JSL,

Cont: blank f; 1/2tp; front; tp; publ data; dedic; pref; tab cont; ill list; introd; 11 chs; "afterthought;" index.

Phillips' lengthy introduction sets the historical stage for the text in which he reviews his experiences in South Africa, He arrived in the country in 1875 at the age of twenty, and in early years filled various positions in the diamond mining industry, Kimberley district, about which he writes interestingly and in detail. Of special value are chapters 1 & 2, p 13-56, about diamond mining. Phillips also provides details on the lives of such prominent figures as Rhodes and Beit.

5128. PHILLIPS, PHILIP A S

John Obrisset | Huguenot | Carver, Medallist, Horn & Tortoiseshell | Worker, & Snuff-Box Maker | With Examples of his Works dated | 1705 to 1728 | By | Philip A.S.Phillips [in red] | [portr miniature] | London: B.T. Batsford, Limited | 15 North Audley Street, W.I | 1931 [title in red & black; enclosed in double-rule frame]

P [iv]: "The edition... is limited to 250 copies of which this is No."

4°: xv, 74, [2]p; 39 pls f; [4]p index; initial f blank except for signature ltr "a" at foot; 103 photos on plates, rectos only, loose tissue inserts, the ff bound-in. Facsimiles of signatures & marks, etc, in text. Pale greenish-tan unfin cloth, gold lett cover & spine; beveled edges. Hand-laid endp, pale gray, white, green, swirled. Teg. Colorless, plastic dj. Loose errata sheet, 29.2 x 22.4 cm(11 1/2 x 8 7/8 in). Cut. JSL.

Cont: blank f; 1/2tp; edit data; front(includ in pag); tp; publ data; dedic; tab cont; ill list; owners names; introd note; 18 chs; append; pls sect tp; pls; index.

Obrisset's career and works, and of special interest to gemologists for its information on horn and tortoiseshell objects, many of which are illustrated on the splendid plates. Ch 18 provides notes on the illustrations and describes the objects. The entire book is a first-class, tastefully designed production, made from top-grade materials. This book and an appreciation of Obrisset's works may be consulted in Robin Fedden's article in *Connoisseur*, 180, 723, May 1972, 13-17, ill.

PHILOSTRATUS, see GORLAEUS, A, 1609

PICART, BERNARD, see STOSCH, P De

PICHLER, or PIKLER, JOHANN, see ROSSI, GIOVANNI GHERARDO

5129. PICTET DE LA RIVE, F J & HAGEN, HERMANN AUGUST Die im Bernstein befindlichen Neuropteren der Vorwelt. f°. Berlin. [1856] t.p., pp.41-125, pl 5-8. (Berendt, Bernst.befindl. org Reste Vorw., 2er Bd, 1^{e} Abth., pars.). Not seen; from Scudder, *Bibliogr Fossil Insects*, p 84: "more than seventy species [of amber insects] are described in full detail and admirably figured... also Hagen gives good accounts of the literature of fossil species and prefaces the whole with general observations on the amber Neuroptera. The work is mostly Hagen's. Some descriptions are by Menge. Descriptions of the larva of a Phasma is also appended, p.122."

PICTET-BARABAN, F J, see BERENDT, G C, 1845

PICTORIUS, G, see MARBOD, 1531, 1555

PIER, GARRETT CHATFIELD & PROSKEY, DAVID, see DRAPER, MARY ANNA

5130. PIERCE, MILDRED L

The | Nevada | Rock Finder | A Gazetteer of Nevada | Rock Collecting Areas | Compiled By | Mildred L.Pierce | Copyright © 1970 by | Mildred L. Pierce and David & Irene Brittain | All rights reserved | Printed and Published by | Brittain Printing. 117 Corbett St. · Carson City, Nevada

Centerstapled: [2], 42 p; 19 sketch maps(one doublep in brown ink); 17 small index maps of counties. Thick, bright yellow paper wrap, title & sketch in brown on cover; advert back cover. 21.2 x 13.7 cm(8 3/8 x 5 3/8 in). Cut, $1.25. JSL.

Directions to locations in 17 counties and what to find: gemstones include quartz varieties, obsidian, turquoise, opal, dumortierite in quartz, and others. Sketch maps neatly drawn and carefully lettered.

5131. PIERI, MARIO I Marmi D'Italia, Graniti E Pietre Ornamentali, Mineralogia, Geologia, Tecnologia... Editore Ulrico Hoepli Milana, 1950. Not seen.

5132. -----1957, 2nd edit. Not seen.

5133. -----1964, 3rd edit

Mario Pieri | Dell'Universita Di Pisa | I Marmi D'Italia | Mineralogia - Geologia - Tecnologia E Merceo- | Logia Dei Marmi - Analisi Chimica E Microscopica | Di 110 Esemplari - Le Pigmentazioni Colo- | Ranti Nei Marmi - La Formazione Di Macchie | Deturpanti - I Marmi Antichi Analizzati | Terza Edizione Ampliata | Con 113 Illustrazioni In Nero E 40 Tavole Fuori Testo A Colori | Indice Alfabetico Dei Marmi E Delle Ditte Esercenti Cave | [logo] | Editore Elrico Hoepli Milano | 1964 [title in red & black]

8°: XXIV (first f blank), 480p + col pl title-leaf & 40 pls, printed recto, bound-in + [1], [1 blank] p; 113 text fig(fold photo pls tip-in at p 200). Pale gray, stiff paper wrap, lett in blue; folded inward over endp. Col dj. Wrap & dj with publ adverts. 27.2 x 22.1 cm(10 3/4 x 8 5/8 in). Cut. Lire 15,000. JSL.

Cont: blank f; 1/2tp; tp; publ data; tab cont; pls list; ill list; pref to previous edits; pref; biblio(p XXIII-IV, 72 entries); text in 3 parts; append; tab(physical constants); index; blank p; sect tp; quarries list; stones list & producers; pls sect tp; pls; publ data; blank p.

Elaborate, handsomely illustrated work on the marbles and other building & ornamental stones of Italy. Part 1 antique uses of marbles & stones in Italy, crust of earth & its minerals, rocks & their characters and deposits, geology as applied to marble deposits. Part 2 physical, chemical, mechanical properties, hygroscopicity, workability & durability; chapters on quarries & quarrying, transport, working up into finished products, classification of marbles, distribution of marble deposits in Italy, marbles of other countries, the Italian marble industry & importance, artificial stone, and imitations of marble. Part 3 numerous chemical analyses, some microscopical studies of marbles & other stones, coloring and discoloration, analyses of some antique marbles, marble in the fine arts. Appendixes: use of waste marble, artificial coloration, more physical properties of stones. There is a useful compendium of names of marbles, granites, and other ornamental stones at the end of the text. Many text photographs are of special interest inasmuch as they show scenes in quarries and methods of obtaining large blocks of stone. Very good colored plates of polished specimens.

5134. -----1952

Mario Pieri | Professore inc. di Merceologia nella Facoltà di Economia e Commercio | dell'Università di Pisa | "I Marmi Esteri" | Rocce Sedimentarie, Eruttive E Metamorfiche | Ornamentali E Da Costruzione | Esame Merceologico Fisico Chimico | E Microscopico Su 220 Esemplari Del | Commercio Mondiale Di 28 Nazioni | Marmi, Calcari Compatti, Travertini, Onici, Breccie | Graniti, Sieniti, Dioriti, Gabbri, Serpentine, Ofi- | Calci - Scisti Cristallini - Le Macchie Deturpanti | Nei Marmi Colorati - Una Nuova Tecnica Per L'Ap- | Plicazione Dei Marmi Nell'Edilizia | Con 20 Illustrazioni In Nero E 12 Tavole Fuori Testo | A Colori, 6 Prospetti Ed Indici Dei Materiali | [logo] | Editore Ulrico Hoepli Milano | 1952 [title in red & black]

There is a facing title of the 1950 work described above.

8°: XVII, [1 blank], [1], [1 blank], 402, [1], [1 blank]p; 20 photos on 10 glossy bound-in f; 24 col photos on 12 glossy f tipped-in as a group (hence readily loosening!). Pale gray wrap, blue lett. Col dj, inward fold wrap. 27.7 x 17.5 cm(9 3/4 x 6 7/8 in). Uncut. Lire 3,500. JSL. LC 53-31821.

Cont: 1/2tp; 2 tp; publ data; pref; biblio(p[VII]-VIII, 43 entries); tab cont; pls list; text tp; text in 3 parts; appends; pls tp; pls.

On the marbles and other structural and ornamental stones found outside Italy. Part 1 coloring matter in marble, pigmentation in exotic marbles, stains & their causes, distribution of marbles by color and country. Part 2 marbles of organo-genetic, chemical, or clastic origin, described according to country and including the calcite onyxes. Part 3 eruptive & metamorphic rocks as granite, syenite, diorite, serpentine, etc. Appendixes list pigmentation types, countries providing the stones named, color types, alphabetical list of variety names, etc. Attractive, well-produced work but marred by failure to adequately fasten the color plates.

5135. -----1954 La scala delle qualità e le varietà nei marmi italiani; graniti e materiali analoghi, criteri d'impiego. 250 marmi del commercio intorno e d'esportazione, vari tipi di

pigmentazione nei loro colori durevolezza, indici del prezzo par greggi e segati finiti. Milano: Hoepli, 1954[ie 1953], xi, 95 p, 19 cm. Not seen; from LC A53-8570.

5136. -----1957 Pigmentazioni e tonalità cromatica nei marmi; sostituibilità di marmi esteri con marmi italiani. Milan: Hoepli, 1957, x, [1], 181 p, fold map, 20 cm. Not seen; from LC A57-6517.

PIGNORIA, LORENZO, or LAURENT (1571-1631)

Jesuit priest & famed antiquary of Italy; b Padua; wrote numerous works including several on Esyptian antiquities. *Biogr Univ*, 34, 434-6.

5137. -----1605

Vetvstissimae | Tabvlae Aneae | Sacris Aegyptiorum Simulachris coelatae accurata | Explicatio, in qua antiquissimarum superstitio- | num Origines, Progressiones, Ritus ad Barbaram, | Graecam, Romanamque Historiam illustrandam | enarrantur, & multa Scriptorum veterum loca | qua explanantur, qua emendatur: | Avctore Lavrentio Pignorio | Patavino. | Accessit ab eodem Avctarivm, in quo ex antiquis Sigillis, | Gemmisque selectiora quaedam eius generis, & veterum | Haereticorum amuleta exhibentur. | [engrav vignette] | [last line also engraved:] Venetÿs Apud Io: Anto: Rampazettum. 1605. Sumptibus Iacobi Franco. Cum Privilegio.

The vignette, including last engrav line, measures 8.3 x 11 cm: a view of St Marks Plaza, Venice, from the lagoon, with gondolas, ship, and rowing galley in foreground.

4°: [6], 43 f(v 43 blank) + 5 woodcut pls, printed recto, bound-in; $*^6$, A-M^4; fold engrav pl of stone tablet with Egyptian figures & hieroglyphics, 31.3 x 44 cm, bound-in at fl; 21 text woodcuts; ch orns, inits + 39 fig on last 5 pls. 22.1 x 15.8 cm(8 5/8 x 6 1/4 in). Cut. JSL.

Cont: tp; dedic; index; imprimatur; fold pl; text; auctarium; blank p; pls.

A famous work in which Pignoria identifies the Egyptian deities depicted on the Isiac Table, supposedly an ancient Egyptian bronze (or stone?) plaque which here is shown upon the folding engraved plate. This tablet is said to be in the Turin Museum and was once in the possession of Cardinal Bembo. Some authorities speculate that it describes the rites of initiation into the cult of Isis and that Pignoria was the first antiquary to offer an explanation of its meaning. Of interest to the gemologist is the fact that Pignoria used antique engraved gems to exemplify ancient customs, mores, and rites which he then employed to help in deciphering the meaning of the tablet. He was particularly interested in the significance of Gnostic rites and customs and thus numerous examples of abraxas gems appear upon the five plates at the end of the book. Pignoria's work referred to in P J Mariette, *Traité Pierres gravées*, 1, 366, 465, also R Goodland, *Biblio Sex Rites*, 476- 7; see also Brunet, IV, 652-3 & Cicognara 2544. Comments on Pignoria's life & works appear in Jacopo Filippo Tomasini(1597-1654), *Manus Aeneae, Cecropii Votum referentis, dilucidatio*, Amsterdam, 1669(see below).

5138. -----1608, Frankfurt Characteres Aegyptii, hoc est Sacrorum, Quibus Aegyptii utuntur, simulachrorum accurata delineato et explicatio. Frankfurt: Typis Matthaei Becker, 1608. 4°:[3]f, 43 f, 4f(index), 17 engrav text ill, 10 engrav pls(3 fold). Not seen, from a bookseller's catalog of 1984. Cicognara 2544. 2nd edit, "engravings attractively executed by Theodore and Joannes de Bry, and the plate of the Isiac tablet, present in the 1605 edition as one large folding plate, is... on three folding and two smaller plates." Mariette, ibid, 366, 465.

5139. -----1669, Amsterdam, with other works

Laurentii Pignorii | Patavini | Mensa Isiaca, | Qva | Sacrorum apud Aegyptios ratio & simulacra subjectis | tabulis aeneis simul exhibentur & explicantur. | Accessit | Ejusdem Authoris de Magna Deum Matre discur- | sus, & sigillorum, gemmarum, amuletorum aliquot figurae & | earundem ex Kirchero Chifletioque interpretatio. | Nec Non | Jacobi Philippi Tomasini Manus Aenea, & de vita | rebusque Pignorii dissertatio. | [square, engrav vignette] | Amstelodami, | Sumptibus Andreae Frisii. | CIↃ IↃ C LXIX. [1669]

Vignette captioned "Optimi Consvltores Mortvi."

4°: [10], 96, [13]p + [8], 96 p; $*^4$, $**$, A-N^4, O^2 + pi^4, (a)-(c)^4, (d)^2, (e)^2, (f)-(n)^4. *Mensa Isiaca*: engrav 1/2tp, 16 text engrav, 4 engrav pls, other engrav pls bound-in(some fold); *Magnae Deum*: large engrav allegorical tp vignette, 2 fullp engrav figs, 5 small engrav figs; *Manus Aeneae*: same tp vignette as foregoing, 1 fullp fig, 5 small engrav fig; woodcut ch orn, init. 23.3 x 17.7 cm(9 1/8 x 7 in). Cut. JSL.

Cont: *Mensa Isiaca*: engrav tp; dedic; Frisius pref; binder's instruction; text; author index; general index. *Magnae Deum*: tp; dedic; Pignoria's pref; fullp engrav; text. *Manus Aeneae*: tp; tab cont; fullp engrav; text to p 60; part tp("Vita" etc); text; laudations. In my copy the folding plates were inserted at the end of the last work.

All of the woodcuts of the original work are now replaced by beautifully executed copper engravings.

5140. -----1670 A Holland bookseller's catalog of 1977 indicates that this edition, by the same publisher, carries the date 1669 upon its second part.

PIKLER, J, see ROSSI, G G

5141. PILYAEVA, M I

Dragotsennye Kamni | Ikh Svoistva | Mystonakhozhdeniya I Upotreblenie | [rule] | M.I.Pilyaeva | [rule] | Vtoroe Izdanie, Znachitelno Doponennoe | [orn rule] | S.-Petersburgy | Izdanie A.S.Syvorina | 1888

8°: [3], [1 blank], 385, [1 blank], V, [1 blank]p; 2 col pls, one of stones & one with two figures showing a diamond cutter, tip-in; 59 fig. Pale tan wrap, cover title; back cover price. 23.5 x 16.3 cm(9 1/4 x 6 3/8 in). Uncut. 2 r, 50k. USGS Library, Kunz Coll.

Cont: front pl; tp; publ data; pls explanations; text; index; blank p.

Detailed descriptions of gemstones of all classes given in alphabetical order. This is the second edition; first edition not seen.

5142. PIMENTEL DE GODOY, M & SOARES COELHO, IPHYGENIO

Estado De Minas Gerais | Secretaria da Agricultura | Secretario - Dr. J.M.Soares de Gouvea | Recursos Minerais | -Do- | Estado de Minas Gerais | Por | M.Pimentel de Godoy | e | Iphygenio Soares Coelho | Janeiro de 1947

8°: 138, [4]p; 84 photos(5 sketch maps) on 36 tip-in glossy f; tab betw p 4-5 integral but not includ in pag. 22.7 x 16.1 cm(8 7/8 x 6 1/4 in). Pale brown print wrap, cover title, printer on back cover; spine plain. Paper browning & embrittled. Cut. JSL.

Cont: cover title; 1/2tp; pref; introd; text; index.

Describes deposits, mines & workings, production, and other data on a large number of metallic & nonmetallic mineral resources in the State of Minas Gerais, Brazil. There are many illustrations of deposits, outcrops, pits, etc, Ch 23, 95-111, on mica, contains 4 locality maps along with many photographs of mines & prospects, and includes much information on gemstones which occur in the same bodies that furnish mica. While the maps show rivers and mines, the latter indicated by numbers, they are so reduced as to be nearly illegible. Quartz, mostly piezoelectric grade, is treated in Ch 25, 117-9, while "pedras coradas," or colored gemstones, are discussed in Ch 26, 121-8. Lastly, Ch 19, 135-8, is devoted to diamond and diamond mining; it contains a list of the largest rough diamonds of record, including a number from Brazil. Poor quality paper, reproductions, and binding should insure that few copies will resist spontaneous disintegration in the near future.

5143. PINCHA, ELIZABETH M & PINCHA, PHILIP J
Instruction manual tumbling and jewelry making. Text by... [above]... Animated illustration by Pamela M. Pincha... Copyright 1971 by Bet-Roc Enterprises, Inc., Huntsville, Alabama 35802. Centerstapled: 32 p, counting wraps; many small col text figs & line drawings. Col wrap. 14 x 21.5 cm(5 1/2 x 8 1/2 in). Cut. JSL. Very elementary instructions for tumbling gemstones and making jewelry using the stones set in metal with epoxy cement.

PINCHUK, L Ya, see ZHUKOV, V V, et al

5144. PINDER, MORITZ EDUARD(1807-1871)
De Adamante | Commentatio Antiquaria | Quam | Amplissimi Ordinis Philosophici Berolinensis | Auctoritate | Ab | Summos In Philosophia Honores Rite Capessendos | Die III. Mens. Septembr. A. MDCCCXXIX. | Publice Defendet | Mauricius Pinder | Numbergensis | Bibliothecae Regiae Berolinensis Custos. | [rule] | Opponentibus: | Mauricio Veit, Phil.Cand. | Ludovico Poley, Phil. Cand. | Berolini | [rule] | Typis Academicis [Berlin, 1829]

8°: [3], [1 blank], 87, [1 blank], [3], [1 blank]p. 20.8 x 12.6 cm (8 1/4 x 5 in). Uncut. USGS Kunz Coll, GS 34-8565; BM(NH).

Cont: tp; dedic; text; curriculum vita; loci controversi; blank p.

Inaugural dissertation, Berlin: tracing earliest mentions of diamond in the literature, citing Theophrastus, Pliny, and numerous others who wrote upon stones or included substantial mentions in their works. Aim: to assess accuracy and extent of knowledge possessed by the ancients on the diamond. A useful bibliographical guide.

5145. PINGEL, B
Studentersamfundets Smaaskrifter Nr.59 | [wavy rule] | Ravets | Natur, Oprindelse og Historie. | Af | B.Pingel. | [rule] | Tredje Tusende | [rule] | Kjøbenhavn. | Studentersamfundets Forlag. | O.C.Olsen & Co. | 1887.

Edgestapled: 20 p. Orange, lett wrap with ser title, etc on front cover with vignette of 3 cherubim in a bas relief; inside & outside of back cover with adverts. 20.5 x 12.8 cm(8 x 5 in). Paper browned, badly enbrittled.

A brief study of amber for the benefit of school students. Topics: nature, sources, uses, history. Because of the very poor paper, probably few copies survive.

5146. PINI, I Iraklion Archäologisches Museum, 5. Die Siegelabdrücke von Phästos. Corpus der Minoischen und Mykenischen Siegel II. Berlin, 1970, 8°: 290 p, 327 ill. Not seen.

PINI, M A, see LANLLIER, J

PINKERTON, J, see TAVERNIER, J B, 1811

5147. PINTNER, T Wie aus Würmern Perlen werden. *Schriften des Vereines zur Verbreitung Naturwissenschaftlicher Kenntnisse in Wien*, 51, 1911, 21-47. Not seen.

5148. PIOT, EUGÈNE La Galerie d'Apollon au Louvre [Paris]. Le Musée des joyaux [et la salle des bronzes]. - *Cabinet Amateur*, 1863, p 217-41, fig. Not seen; from Marquet de Vasselot, *Bibliographie de l'Orfevrerie*, 1925, p 53. Includes the crown jewels of France.

5149. PIPER, WARREN Your job and mine, or what you should know about diamonds. Chicago, 1928. Not seen.

5150. -----1947
How to Judge | Diamonds | by | Warren Piper | Illustrations by | Mary Christmas Piper | Published by | Warren Piper & Company | Importers of Diamonds | Manufacturers of Platinum Jewelry | 31 North State Street | Chicago [1947; title framed in a black border containing various faceted gems]

Centerstapled: [64]p; 4 photos(includ portr of author); ca 80 text fig (mostly line drawings). Last 3 p with orn frames or borders. Thick, pale blue wrap, overlaps text; cover title. 20.3 x 13.6 cm(8 x 5 3/8 in). Cut. JSL.

Cont: quot; copyright note; tp; diagram standard brilliant cut; dedic; biogr of author & portr; text.

Lively potpourri of topics: diamonds as "good" investments, birthstones, anniversary stones, classification of gems from "most precious" downward, two photos & drawing of the crown jewels of Portugal, remounting old jewels, famous diamonds, advice, etc. The centerfold is of considerable historical interest inasmuch as it describes and depicts the Crown of the Andes, once in the Cathedral of Popoyan in Colombia, and sold to a syndicate of Chicago buyers, including Warren Piper. Another issue, perhaps an earlier one, is distinguished by underlining of the words "How to Judge | Diamonds" in the title.

5151. PISES, ANTONIO OLYNTHO DOS SANTOS
Viagem aos terrenos diamantiferos de Abaeté. *Annaes da Escola de Minas de Ouro Preto*, Rio de Janeiro, nr 4, 1885, 93-164. Not seen. Gonsalves, *Bibliogr Brasil*, 1928, p 156; Iglesias & Meneghezzi, 1959, p 241.

PIRSSON, L V, see BISHOP, H R, 1900

5152. PISARZHEVSKII, OLEG NIKOLAEVICH

Zhizn Zamechatelnikh Liudey | [rule] | O.Pisarzhevskii | Aleksandr Evgenevich | Fersman | 1833-1945 | Izdatelstvo Tsk VLKSM | "Molodaya Gvardiya" | 1955

8°: 452, [4] p; tinted front portr tip-in; 16 photos on 8 tip-in glossy f; facsimile ltr. Pale gray embossed paper over bds, col cut-out port of Fersman mounted on front cover; gold lett; pale tan cloth spine & gold lett. 16.4 x 12.8 cm(6 1/2 x 5 in). Cut. 7r 10k. 90,000 copies. JSL.LC 55-40810.

Cont: ser tp; front; tp; quot; introd; 17 chs; chronology; biblio of Fersman(98 entries); tab cont; ordering instructions; publ data.

Penetrating study of Fersman's life and accomplishments with much on his written works, eg, Ch 5, "Colored Stones," p 96-126, and with an excellent short-title list of his writings. See also D I Shcherbakov *A.E.Fersman i ego puteshestviya*, 1950.

PISSARSKAYA, L V, see STEINGRÄBER, E, 1968.

5153. PISTOLESI, E Museo Borbonico [descritto ed illustrate da E.Pistolesi]. Napoli: 1824-67, 16 vol, 4°; ca 1,000 engrav. Antiquities unearthed in Pompeii, Herculaneum, Stabia, etc; vol 7 on coins, engraved gems, and various objects in metal. Not seen; Vinet 1522.

PISTRUCCI, B, see FORRER, L

PITT, THOMAS, see DALTON, C, also LAWSON, C

5154. PITTMAN, EDWARD F(1849-1942)

Geological Survey Of New South Wales. | [rule] | The | Mineral Resources | Of | New South Wales. | By | Edward F.Pittman, |...[7 lines]...| [coat of arms] | Sydney: William Applegate Gullick, Government Printer. | [rule] | 1901. | 62325

8°: [2], viii, 487, [1 blank]p; front col pl; facs pl; 55 photo pls; 10 sketch maps & sects, etc(2 col); 2 fold col geol sects; large col geol map of NSW(41 x 44 cm, 16 1/4 x 17 1/2 in). All pls, maps, etc, tipped-in. Olive green cloth, gold lett cover & spine; bev bds. Fern-pattern endp. Also in cdbds. 21.7 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. GS 7-999; JSL.

Cont: front; tp; tab cont; ltr; dedic; introd; classification of sedimentary rocks; facs pl; text in 2 parts; suppl; index; fold map.

First part: metals & metalliferous minerals & ores.Second part: non-metallics, including gemstones as diamond, p 373-97, with photo pls and a geol sketch map(col) of Bingara district, and with locality information and notes on type occurrences and recovery of stones in South Africa. Opal treated on p 399-405, emerald 406-8, turquoise 409, and corundum and other gemstones 410-14. Prized work; scarce.

5155. PIWOCKI, M, et al Stratigrafia trzeciorzeddowych osadow bursztynonosnych okolic Chlapowa Kolo Pucka. *Prace* MZ 37, 1985, p 61-77. Not seen. Polish amber.

5155A PLASZYŃSKA, MARIA

Maria Plaszynska | Kamienie Szlachetne | - nie niszczące | metody badania | Pánstwowe Wydawnictwo Naukowe | Warszawa - Kraków 1988

Cementback: 120, [1 blank], [1], [1 blank]p; errata slip tip-in. 21 fig; 5 col photos on 2 bound-in f not counted in pag. Col, printed wrap (front cover with spectra, back cover with price & ISBN), 20.4 x 14.4 cm (8 x 5 5/8 in). Cut. Zlotys 360. ISBN 83-01-07653-4.

Cont: 1/2tp; tp; publ data; dedic; tab cont; 6 chs; ref(p 109-16, 169 entries); index; ill & tabs lists; blank p; publ data; blank p; errata slip.

"Precious stones- non-destructive methods of examination," commencing with general remarks on classification and natural & synthetic stones, how natural stones are obtained and synthetics manufactured, cutting styles, testing methods including physical and optical tests, and a compendium of testing methods, This appears the only modern work on gem testing that has been published in Poland.

PLATÉ LIMITED, see WOOLF, B S

5156. PLATE, WERNER

Dr.Werner Plate | Wörterbuch | Der Perlenkunde | [logo] | Rühle- Diebener-Verlag KG. · Stuttgart [1957]

Cemented folded sheets: 60 p, Thick, gray paper wrap, cover title, pale gray cloth spine. 20.4 x 14.7 cm(8 1/4 x 5 3/4 in). DM 5.40. JSL.

Cont: 1/2tp; tp; publ data; fwd; gloss; refs.

Glossary of trade & technical terms on pearls; possibly the largest number on this subject ever assembled. Includes terms for common & scientific names of pearls & shellfish, scientific personnel involved in pearl investigations, instruments used in pearl culture or testing, fishery locations, etc. Rev B W Anderson, *The Gemm*, 27, 318, 1958, 18; *J Gemm*, 13, 3, 1972, 112; K Chudoba, *Der Aufschluss*, 9, 1, 1958, 21.

5157. -----1968

edelstein | [outline of cut gem] kunde | Prof.Dr.Werner Plate | Kunst- und Werkschule | 7070 Schwäbisch Gmünd | gold | + silber | [rule] | uhren + schmuck [title from portfolio cover; nd, post 1968]

An offprinted collection of articles originally in the journal *Gold, Silber, Uhren, Schmuck*, commencing with Jg 65, H 2 and ending 68, 3.

Cementb: [93], [1 blank]p; 8 col pls; 119 ill. 30.7 x 23.1 cm(12 1/8 x 9 1/8 in). Cut. In thick gray paper portfolio, inward fold flaps, cover title(only). JSL.

Cont: tab cont; 22 chs(36 arts); index to gemstones; blank p.

Triple-columned text, thus making the content considerably larger than the page count suggests. Begins with diamond, to which most space is devoted, then passing through the major gemstones as corundum, quartz, spinel, beryl, garnet, etc, and including massive gem materials, and ending with short notes on a considerable number of rarer gem species. Includes scientific data, nomenclature, imitations & substitutes, trade information, price averages, all presented in succinct style. Many illustrations were borrowed from other works and rather poorly reproduced in case of photographs, Some crystal drawings are upside down; one color plate printed upside down. Locality information, taken from older sources, is out of date; unimportant localities sometimes included at the expense of others of major importance, especially in the USA.

5158. PLATEN, PAUL

Untersuchungen fossiler Hölzer | aus dem Westen der Vereinigten Staaten von Nordamerika. | [rule] | Inaugural-Dissertation | zur | Erlangung der Doktorwürde | bei der | Philosophischen Fakultät der Universität Leipzig. | Vorgelegt | von | Paul Platen | aus Leipzig. | Leipzig | Druck von Gressner & Schramm. [1909]

8°: XVI, 155, [1]p; 18 photos on 3 glossy fold pls with tissues, tip-in at end. Paper wrap, cover title. 23 x 15.4 cm(9 x 6 in). Cut. JSL. GS 12-20.

Cont: tp; thesis acceptance; dedic; ackn; refs(p VII-XII, 86 entries); tab cont; text; results; vita; pls.

Detailed descriptions of silicified woods from California, Wyoming and Arizona, with citations from pertinent literature. Contains original work on identification of tree species by examination of thin sections and speculations on process of wood replacement, Almost all the wood material described has been used by lapidaries for gem and decorative purposes.

5159. PLATONOV, ALEKSEI NIKOLAEVICH; TARAN, MIKHAIL NIKOLAEVICH & BALITSKII, VLADIMIR SERGEEVICH

A.N.Platonov | M.N.Taran | V.S.Balitskii | Priroda | Okraski | Samotsvetov | [logo] | Moskva "Nedra" 1984

Cementb: 195, [5]p; 75 ill; 15 tab. White, part-col paper wrap. 21.3 x 14 cm(8 3/8 x 5 1/2 in). 15,500 copies. 85 k. JSL.

Cont: tp; resume; introd; text; biblio(p 194-5, 50 entries); tab cont; publ data; other bks of publ.

Detailed treatise on the nature & causes of color in gemstones. Provides historical notes, past theories, discussions of all major & minor gemstone color phenomena, suggested causes, measurement of color, etc, many color absorption curves, some crystal structure drawings. Species: corundum, beryl & emerald, chrysoberyl, jadeite, spinel, topaz, garnet, tourmaline, spodumene, zircon, turquoise, peridot, lazurite, quartz. Describes procedures and apparatus used. Platonov also wrote *Priroda okraski mineralov*, Kiev: Naukova Dumka, 1976, 264 p, not seen.

PLATZ-HORSTER, G , see SCHLÜTER, M, et al

PLINY THE ELDER, or GAIUS PLINIUS SECUNDUS(23 or 24-79 AD)

Pliny's *Natural history*, editio princeps in Latin, by Johannes Spira, Venice 1469, remains "the most popular natural history ever published," according to E W Gudger, in *Isis*, 6, 18, 1924, 269-81, who records no less than 190 editions that appeared in the 15th century, followed by others in the succeeding centuries for a total of 222 editions, and who states that there may be more that he was not aware of at the time. By far most editions are in Latin and only several are in modern languages as will be noted below. For a survey of some editions from 1800 onward, and references to commentaries on Pliny's book, or parts thereof, see H L Bonniec "Bibliographie de l'Histoire Naturelle de Pline l'Ancien," in *Collection d'Études Latines*, Société des Études Latines, Paris, Serie Scientifique XXI, 1946, 8°: 56, [2]p, esp p 54-5 dealing with studies and commentaries on Book 37, concerning gemstones. However, the latter cannot compare in fullness of information or critical study with S H Ball's *A Roman Book of Precious Stones*, 1950, which devotes itself entirely to Pliny's accounts of gemstones. Some useful remarks may also be found in F D Adams' *Birth and Development of the Geological Sciences*, 1938, 36-7, and in the extended treatment on Pliny's book by L Thorndike, *A History of Magic and Experimental Science*, 1, 1923, 41-99, in which, however, Thorndike dwells mainly on the role of gemstones in magical practises. Bibliographies of the *Natural history* appear in J A Fabricius *Bibliotheca Latina*, 3 vols, 1697, (vol 2, 186-208); Schweiger *Handbuch der classischen Bibliographie*, 1834, vol 3, 781 ff; and in A C Klebs "Incunable editions of Pliny's Natural History," *Isis*, 24, 1935-6, 120-121, listing 15th century editions in the British Museum Library. Another valuable source of information on previous editions is in vol 12, 1782, 535-644, of the rare French translation, *Histoire Naturelle de Pline Traduite En François, Avec Le Texte Latin...* Paris, Desaint, 1771-82. This contains extracts from Comte De La Tour-Rezzonico's "Disquisitiones Plinianae," on the various manuscripts as well as the printed editions, from the Venetian 1469 princeps to the Harduin of Paris, 1723, and including editions in Italian, French, Spanish, German, English, Belgian and Arabic. Pliny's life is dealt with adequately in many other places, a fine account being conveniently available in the Encyclopaedia Brittanica, 1960, in which due space is accorded to the *Natural history* itself.

The work is an encyclopedic compilation of all that Pliny could discover about nature, natural objects, productions of nature, phenomena, and the things made from natural productions of the three kingdoms, much of it culled from previous writings that Pliny had access to but most of which are now lost. These references are listed in the opening of the book. Thorndike, ibid, 43, states that "its thirty-seven books, written in a very compact style, constitute a vast collection of the most miscellaneous information. Whether one is investigating ancient painting, sculpture... or any of a number of other topics; one will find something concerning all of them in Pliny," and further, "the Natural History is a great storehouse of misinformation as well as of information, for Pliny's credulity and lack of discrimination harvested the tares of legend and magic along with the wheat of historical fact and ancient science in his voluminous granary (ibid, p44)." Other commentators have been far less lenient in their criticism, eg, Charles Singer, *Magic to Science*, 1928, p 178, called the natural history "scientifically worthless," but a more modern view by H Rackham, in his introduction to the Loeb Library translation, vol 1, p ix, states that "it is a mistake to underrate the value of his work. He [Pliny] is diligent, accurate, and free of prejudice. Though he had no considerable firsthand knowledge of the sciences and was not himself a systematic observer, he had a naturally scientific mind, and an unaffected and absorbing interest in his subjects. If he gives as much attention to what is merely curious as to what has an essential importance, this curiosity has incidentally preserved much valuable detail, especially as regards the arts; moreover anecdotes that used to be rejected by critics as erroneous and even absurd have now in a not a few cases been corroborated by modern research." In any event, it is undisputed that our knowledge of ancient gemology is solidly based on the last book, Book 37, in his treatise. Indeed as consultation of the many older gemological treatises confirms, none could have been written without the information contained in the *Natural History*.

For other comments see also George Sarton's *The Appreciation of Ancient and Medieval Science during the Renaissance*, 1955, 73-36. Sarton is of the opinion that the best edition is the Latin of Ludwig van Jan, 1807-69, revised by Karl Mayhoff in 5 volumes, Leipzig: Teubner, 1892-1909; but also highly esteemed is the Bostock & Riley English translation described below. H Tertsch, *Das Geheimnis der Kristallwelt*, 1947, p 52-5, which see, provides an interesting commentary from the viewpoint of a modern mineralogist. A quick popular sketch of Pliny's mineralogy is contained in R M Colcord's "Notes on the life of Pliny the Elder and his minerals," *R & M*, 14, 8, 1939, 227-40, which includes gemstones, and bases his comments on the Bostock & Riley translation mentioned above.

5160. -----1469 First edition, Venice: Johannes Spira. Other incunables Rome 1470, Venice, Jenson, 1472, Rome, Sweynheym & Pannartz, 1473. Not seen.

5161. -----1476, first Ital edit Historia naturale di C.Plinio Secundo. Trad dal Latino in lingua volgare per Christophoro Landino. Venetiis: Henson, 1476. Also printed on vellum! Not seen.

5162. -----1481, sec Ital edit Not seen. Lathrop C.Harper Cat 237, New York, 1981, no 72 gives "translated from Latin into Italian by Cristoforo Landino. 294 leaves, including 3 original blanks: the first, 14th, and last... [in] double columns, 59 lines. At the beginning a finely illuminated initial D with floral ornament extending into inner margin. Contemporary penwork initials supplied in red and blue alternatively. Folio(317 x 216 mm)... Venice: Filipp di Pietro, 1481." Further, "owing to its remarkable condition, the present copy... preserves the final (blank) leaf, which is conjugate with the penultimate leaf ("Registro"); accordingly the collation of the last ten gatherings usually (e.g. BMC) given as A-I^8K^8 $+^1$ may be corrected to A-K^8 [$*^2$] Hain 13106. BMC V, 223. Goff P-802. IGI 7894. Klebs 787.2."

5163. -----1487 Historia naturalis. Venetiis, Marinus Saracenus, 14/5/1487. Not seen, from Libr Antiq Pregliasco, Torino, Cat 55, Spring 1988, No 141, who give further: folio, ff 271(recte 272, lacking a blank f); 269b colophon: "Venetiis inpressum per Magistrum Marinum Saracenum. Anno M.CCCCLXXXVII. Die xiiii / Mensis Maii...;" "Correctiones" on 270 a; "Registrum" on 271 b. "Ottima edizione... curata dal dotto umanista Filippo Beroaldo(1453-1505)."

5164. -----1601, first Engl edit

The | Historie | Of The World | Commonly called, | The Natvrall Historie Of | C.Plinivs Secvndvs. | Translated into English by Philemon Holland | Doctor of Physicke. | The first Tome. | [elaborate woodcut panel, in baroque style, with Latin mottos, publ monogram; 9.6 x 12.5 cm(3 3/4 x 4 7/8 in) | London, | Printed by Adam Islip. | 1601.

The second title bears "The second Tome." same date, etc.

H Silvette, *Catalogue of the Works of Philemon Holland*, 1940, gives: 2 vols. fol.: vol.I: [*]^{6} ¶^{4} a-b^{6} A^{8} B-Iii^{6} Kkk^{4}; 30 ll. + 614 pp. + 21 ll.; vol.II: A-Ggg^{6} Hhh^{4} Iii-Ooo^{6} Ppp^{8}; 6 ll. + 632 pp + 44 ll. Ca 33.5 x 23 cm(13 1/4 x 9 in).

5165. -----1601, another issue, with canceled tp

The | Historie Of | The World. | Commonly called, | The Natvrall | Historie Of | C.Plinius Secundus. | Translated into English by | Philemon Holland | Doctor in Physicke. | The first Tome. | [rule] | Londini, | Impensis G.B[ishop]. | 1601.

A fine, very elaborate two-columned arch encloses the title, each column a spiral, entwined with grapevines, with much ornamental detail on all surfaces, overall 29 x 18.4 cm(11 1/2 x 7 1/4 in). Titleleaf is a cancel and this edition is rare; the title for the second volume remains the same as in the first edition, including publisher & date.

2°: [58], 614, [42]; [12], 632, [86]; 1 leaf + pi^{4}, ¶^{4}, a-b^{6}, A^{8}, B-Iii^{6}, Kkk^{4}; A-Ggg^{6}, Hhh^{4}, Iii-Ooo^{6}, Ppp^{8}.

Cont: tp; dedic(to Sir Robert Cecil Knight), pref with ltr; errata; text; index; tp; pref; gloss(art words); text; index; errata; colophon.

5166. -----1634, another edit Vol I title as in the 1601 first edition but the title to vol II now incorporates this error: "The second Tombe". Slight differences in punctuation and type suggest that both titles were completely reset. JSL.

5167. -----1635, another issue

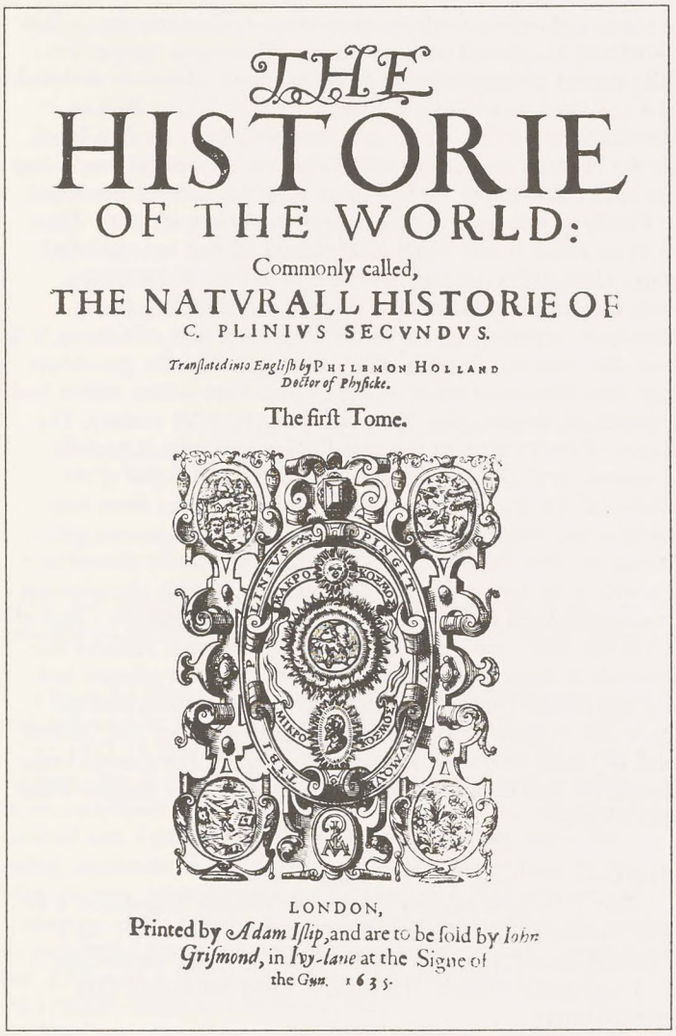
The |...| [same woodcut] | London, | Printed by Adam Islip, and are to be sold by Iohn | Grismond, in Ivy-lane at the Signe of. | the Gun. 1635.

Vol II title identical to the 1634 issue, including date.

Cont: tp; dedic; pref; copy of ltr; Pliny's epistle to Vespasian; text; index; tp; pref; gloss; text; index; errata f; colophon f. In the 1634 issue and the reissue of 1635, the leaf after the index in Vol 2 is an advertisement noting that the errata of the 1691 edition are now corrected.

5168. -----1855-57, another Engl transl

The | Natural History | Of | Pliny. | Translated, | With Copious Notes And Illustrations | By The Late | John Bostock, M.D., F.R.S. | And | H.T. Riley, Esq., B.A., | Late Scholar Of Clare Hall, Cambridge. | Vol.I[-VI]. | London: Henry G.Bohn, York Street, Covent Garden. | MDCCCLV[-MDCCCLVII].



THE
HISTORIE
OF THE WORLD:
Commonly called,
THE NATVRALL HISTORIE OF
C. PLINIVS SECVNDVS.

Translated into English by PHILEMON HOLLAND
Doctor of Physicke.

The first Tome.

LONDON,
Printed by *Adam Islip*, and are to be sold by *John Grismond*, in *Ivy-lane* at the Signe of the Gun. 1635.

5167. Titlepage to the first translation into English, by Holland, of Pliny's "Natural History", first issue 1601

"Bohn's Classical Library."

8°: I: xxxviii, 499, [1]p; II: xii, 555, [1]; III: xiv, [2], 536; IV: xix, [1 blank], 523, [1 blank]; V: xxii, 523, [1 blank]; VI: xiv, 529, [1 blank]p. Each vol with several f of adverts before & after text, and on endp. Dk grayish-blue cloth, very elaborately blind-stamped; gold title & ser title on spine. 18.3 x 11.4 cm(7 1/4 x 4 1/2 in). Uncut. 5/- per vol. JSL.

Cont: I: 1/2tp; tp; print data; pref; life & work of Pliny; tab cont; Bks I-V; errata. II: tp; print data; tab cont; Bks VI-X; errata. III: tp; tab cont; tab of moneys & weights & measures; Bks XI-XVII. IV: 1/2tp; tp; tab cont; Bks XVIII-XXIII; blank p. V: tp; print data; tab cont; Bks XXIV-XXXI; blank p. VI: tp; tab cont; Bks XXXII-XXXVII; index to whole; blank p.

The translation is generally conceded to be superior to Holland's and furthermore is enriched by abundant footnotes which are discerning and helpful. This edition was maintained in print in various bindings as late as 1893, with full sets dated from 1856 to 1893. Primarily of interest to the gemologist are Books XXXVI and XXXVII, p 305-85 and 386-468 respectively in the 6th volume. The first treats building stones among other

matters, and contains references to some ornamental stones that sometimes are classed with gemstones. Gemstones proper are fully treated in the last book, the contents of which are analyzed and explained in detail by S H Ball in his *A Roman Book on Precious Stones*, 1950, which see. However, Ball's work is based on the Holland translation rather than on the present work, and the reader desiring to explore more fully the material presented in Pliny's gemological dissertations should compare both. Here, as in his other books, Pliny accumulated all that he could find about the nature, sources, attributes, and uses of gemstones, with data and statements that range from fabulous tales & anecdotes, superstition, etc to the cold, hard facts of science, It is here also that one finds the many curious names for gemstones that were borrowed more or less in toto from earlier writers and repeated by writers after Pliny well into the 17th century. The legacy of such names in the post-Plinian lapidaries is usefully discussed by F D Adams in his *Birth and Development of the Geological Sciences*, 1838, p 143 ff, who also places them into groups and attempts to correlate the names with known gemstones or other mineral and non-mineral substances classed as gemstones by earlier writers. The problem of such identification is also addressed by D Wyckoff in her *Albertus Magnus - Book of Minerals*, 1967, esp p 286-92, which see. Neither Holland nor Bostock & Riley were trained in any of the earth sciences and for this reason the interpretations of gemstones and minerals provided by them should be compared to those of Ball, Adams, and Wyckoff, all trained in the earth sciences. See also the commentaries of Rackham's edition of Pliny in a later English translation below.

5169.-----1938-62, another Engl transl

Pliny | Natural History | With An English Translation | In Ten Volumes | Volume I[-X] | Praefatio, Libri I, II | By | H.Rackham, M.A. | Fellow Of Christ's College, Cambridge |...| London | William Heinemann Ltd | MCMXXXVIII [-MCMLXII]

"Loeb Classical Library;" also issued by Harvard U Press.

Translators: vol 1-5, H Rackham. Vol 6-8, W H S Jones. Vol 9, H Rackham. Vol 10, D E Eichholz,

8°: I: xiv, 377, [1]p. II: ix, [1 blank], 663, [1]p. III: ix, [1 blank], 615, [1]p. IV: vii, [1 blank], 555, [1]p. V: vii, [1 blank], 543, [1]p. VI: xxvi, 532p. VII: xiv, 558p. VIII: vii, [1 blank], 596p. IX: vii, [1 blank], 421p; X: xviii, 343, [1]p. Cloth, print dj. 16.3 x 10.7 cm(6 3/8 x 4 1/8 in). Cut. JSL.

Cont of vol X only: blank f; ser tp; tp; publ data; tab cont; pref; introd; biblio(p xv-xvii, 12 entries); mss; text tp; Bks 36-7; index of artists; museographic index; index of architecture & engineering; index of minerals; 8 p adverts.

"The text printed in this edition is largely identical with Mayhoff's [K.Mayhoff, *Naturalis Historiae Libri XXXVII*, Leipzig: Teubner, vols 1-6, 1892-1909], but differs from it in some 120 instances"[p ix]. In his introduction, Eichholz comments on the difficulties attendant to the identification of certain stones mentioned by Pliny. He used Ball's work and also gleaned information from the works of C W King, A Lucas, G F H Smith, and Caley & Richards *Theophrastus, On Stones*, 1956, all of which are described elsewhere, but he seems not to have used Adams or Wyckoff, see above, both of whom devoted considerable effort to the problem of Plinian mineralogical nomenclature. As in other volumes in this series, the text is parallel Latin v and English r.

5170. -----1771-82, Fr transl, 12 vol. JSL.

5171. -----1848-50, another Fr edit Historiae naturalis libri XXXVII: Collection des auteurs latins avec la traduction en français publiée sous la direction de D.Nisard. 2 vols. Paris 1848-1850, Didot. Reprinted 1877. Not seen.

5172. -----1840-64, Ger edit Plinius Secundus, Cajus: Naturgeschichte. Übersetzt und erläutert von P.H.Kulb, Stuttgart, 1840-1864, 6 vols. Not seen.

5173. PLONAIT, C Über den sicheren Nachweis des Ostseebernsteins bei Verwechslung oder Fälschung mit besonderer Berücksichtigung einer optischen Unterscheindung- methode für Bernstein und seine Imitationen. *Mitt Abteilung Gesteins-, Erz-, Kohle- und Salz-Untersuchungen, Preuss geol Landesanstalt*, Berlin, H 2, 1926, 30-74, Pls 1-2, 4 fig. Positive identification of genuine Baltic amber from substitutes or imitations, with special reference to optical methods. Rev O Pratje, *Bernstein Forsch*, 1, 1929, 165-6.

5174. POESE, WILLIAM

Gem Stone Lore | by William Poese | Instructor in Lapidary Arts | [left: logo] | Mineral Book Company | [to right:] A New Kind of Book | "My Favorite Gem"... | told in actual letters to the | author from famous Americans | How Gems are Cut | The Story of Birthstones [1948; cover title only]

Oblong, centerstapled: [54]p + [1 blank]f; 38 fig(mainly facs of ltrs]. Patterned tan, thick paper wrap, cover title. 17.8 x 25.2 cm(7 x 10 in). Cut. $1.75, JSL.

Cont: text tp; dedic & ackn; introd; gem cutting; birthstones; gemstones; concl; blank f.

Unique: basically the text concerns curious lore of gems in which major & minor gemstones are described & discussed, but all illustrated with reproductions of letters written to the author in response to a request for addressee comments on their favorite gemstone. Persons include stage & screen stars, comedians, opera singers, politicians, government officials, athletes, authors, big-game hunters and bandleaders, eg, Frank Buck, Christopher Morley, Mary Roberts Rinehart, Gene Tunney, Bela Lugosi, Robert Taft, Paul Whiteman, J Edgar Hoover, and Harry S Truman. Some of the replies are barely civil. Rev *Jewelry Mag*, 7, 4, 1950, 68, by R M Pearl - "it was my pleasure to edit this book for the publisher and so to handle the many letters." *R & M*, 23, 9/10, 1948, 817.

POGUE, JOSEPH EZEKIEL(1887-1971)

US geol/mineralogist; b Raleigh, NC; AB 1906, MS 1907 NC U; PhD Yale U 1909; att Heidelberg U 1911; geol duties NC Geol Survey 1906-8; instructor mineralogy Yale U 1908-9; assist curator USNM 1909-13; US Geol Survey 1913-19; assoc prof geol & mineralogy NW U 1914-17; USNM 1917-18; after 1919 in petroleum industry & consultant from 1950.

5175. -----1912 The aboriginal use of turquois in North America. *Amer Anthropol*, 14, 3, 1912, 437-66, Pls 29-32; also issued sep in pale gray print wrap. JSL. p 437 "This paper is extracted from the manuscript of a forthcoming work in which the writer attempts to present the available information on... turquois"(see below).

5176. -----1915

| double-rule] | National Academy Of Sciences. | [rule] | Volume XII. | Third Memoir. | [rule] | The Turquois. | A Study Of Its History, Mineralogy, Geology, Ethnology, | Archaeology, Mythology, Folklore, | And Technology. | [rule] | By | Joseph E.Pogue, Ph.D., | Associate Geologist, United States Geological Survey, Formerly Assistant Curator | Division Of Mineralogy And Petrology, United States National Museum, | Fellow Of The Geological Society Of America. | [double rule] [1915]

In: *Memoirs of the National Academy of Sciences*, Volume XII, Part II, Second Memoir, Third Memoir, Washington 1915. Paged separately as given below.

8°: 206, [1], [3 blank]p, plates includ in pag; 5 fig, tip-in front col pl with tissue bearing captions in red + bound-in section of 22 b&w photo pls on glossy f, illust recto, captions verso(Pl 18, in col is a tip-in). Standard dk maroon cloth, gilt; blind frames on covers. 29 x 23.4 cm (11 1/2 x 9 1/4 in). Cut. The memoirs were also issued in somewhat larger paper size in gray, printed wraps, A special issue, bound in black buckram, gilt cover title only, gray endp, inner cloth hinges, 29.8x 23.8 cm(11 3/4 x 9 3/8 in), cut, is, I believe, a private issue of the author. JSL.

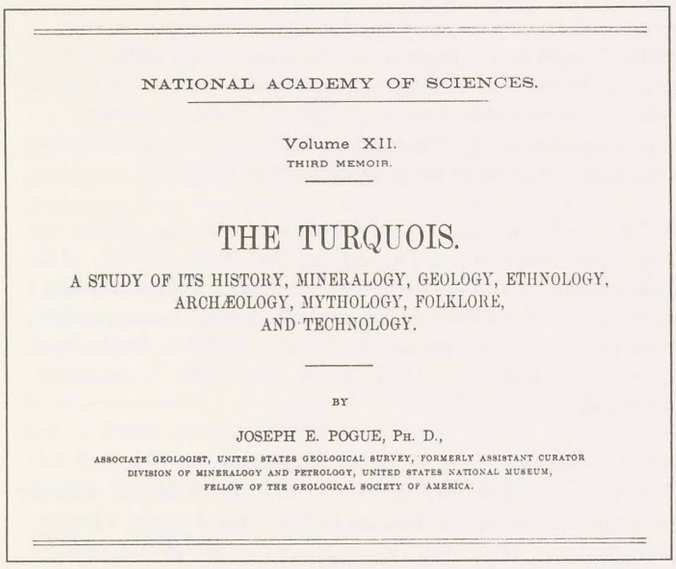
Cont: col pl & tissue; tp; pref; tab cont & ill list; introd; 8 chs; biblio(137-54, 444 entries, annot); index; pls sect tp; pls; 3 blank p.

The most comprehensive, carefully researched, and endless source of information on turquoise ever published, and with an unparalleled bibliography leading to far more information, if so desired. B Laufer's *Notes on the turquois in the East*, 1913, which see, perhaps offers the next most important contribution to the knowledge of this gemstone, and indeed Pogue includes it in his bibliography, but Laufer dwells mainly on the lore of turquoise in the cultures of India, Tibet and China, thus forming a supplement rather than a substitute or a competing work to Pogue's treatise. It should be noted here that both Laufer and Pogue used "turquois" rather than the more common "turquoise," Possibly causing later issues of Pogue's memoir to receive this longer spelling in its title.

The text begins with earliest notices of turquoise in the Bible and in records of ancient Egypt, then traces its appearances into modern times. Next follow brief treatises on the mineralogy and crystallography of turquois, and a larger discussion of world-wide occurrences with much attention paid to to deposits in the United States. The fourth chapter describes the formation of turquoise deposits and ends the scientific/technological portion of the text. The remaining four chapters discuss the uses of turquoise, the "chalchihuitl question," mythology and folklore, and finally the cutting of turquoise, alteration of color, precautions needed to prevent discoloration, production statistics, relative values and qualities and other factors, plus a discussion of nomenclature. The mostly annotated bibliography is of particular value for including so many general gemological works in which turquoise is mentioned or given substantial treatment. Rev B Laufer, *Amer Anthropol*, 18, 1916, 585-90.

5177. -----1972 Facsimile reprint, with additions

Memoirs | Of The | National Academy Of Sciences | [rule] | Volume XII | Part II | Second Memoir | Third Memoir | [rule] | The [orn] Rio Grande Press, Inc. | Glorieta, New Mexico · 87535 [1972]



NATIONAL ACADEMY OF SCIENCES.

Volume XII.
THIRD MEMOIR.

THE TURQUOIS.

A STUDY OF ITS HISTORY, MINERALOGY, GEOLOGY, ETHNOLOGY, ARCHÆOLOGY, MYTHOLOGY, FOLKLORE, AND TECHNOLOGY.

BY

JOSEPH E. POGUE, PH. D.,

ASSOCIATE GEOLOGIST, UNITED STATES GEOLOGICAL SURVEY, FORMERLY ASSISTANT CURATOR DIVISION OF MINERALOGY AND PETROLOGY, UNITED STATES NATIONAL MUSEUM, FELLOW OF THE GEOLOGICAL SOCIETY OF AMERICA.

5176. Part titlepage to Pogue's magnificent treatise on the turquoise published in the Third Memoir of the National Acedemy of Science

This is the first tp; it is repeated after the introductory matter and followed by the memoir title and the facsimile of the text.

8°: [51], [1 blank], [1], [1 blank], 206, [5 blank]p; p 198-99 omitted. The 2 col pls of the original now employed as paste-down endpapers with captions appearing on facing flyleaves; the omitted text f (col pl 18) is back cover pastedown while the facing caption is former p 198. In addition, there are now 2 b&w photos, 16 col photos on 8 bound-in f. Pale tan, creased leatherette cloth, covers garishly decorated with iridescent metallic pigmented frames, ornaments, decorations & lett; blue spine lett. 27.9 x 21.3 cm(11 x 8 3/8 in). Cut. $15.00. LC 70-175059; ISBN 87380-056-7. JSL.

Cont: ser 1/2tp; logo; memoir tp; publ data; publ pref & biogr of Arrowsmith("Hombre Especial" !); introd; biblios(p 11-28); list of mines & prospects; col pls list; blank p; memoir tp; monograph tp; facs text; pls; 5 blank p.

All the front matter of 51 unnumbered pages is studded with references to the earnest endeavors of those who made this reprint possible, but not satisfied with the mere reprinting, they engage in profuse self-praise, use affected language, insert Spanish colloquialisms, and only occasionally provide some useful information especially on recent turquoise literature and a list of modern mines & prospects. The first color plate, for example, portrays two persons connected with the reprint which adds nothing to the book when a portrait of Pogue would have been better and more meaningful. The rest of the added color plates are mostly photographs of Indian woven blankets upon which are spread barely discernible specimens of rough turquoise and turquoise-set jewelry. The entire production is garishly bound and surely detracts from the importance of the fundamental treatise. A serious mistake is the placement of Pogue's color plates on the pastedowns which means that in time they will be marred or entirely lost.

5178. -----1916 The emerald deposits of Muzo, Colombia. *Trans Amer Inst Mining Eng*, 55, 1916, 910-34, 14 fig(maps). Also in a preprint paged 799-822. JSL. Invaluable, constantly

referenced eyewitness account of a visit to the mines in July, 1915. Several sketch maps locate the mines while other photographic illustrations show the opencuts and methods of mining and sorting emeralds. Topics: geography, history, geology, deposits, mineralogy, age, origin, mining methods, production, comments upon other emerald deposits in Colombia.

5179. -----1916 The emerald in Spanish America. *Bull Pan-Amer Union*, Wash, DC, 43, Jul-Dec 1916, 706-20, 13 ill. History of emerald, discovery in New World, Indian legends, exploitation of deposits, Muzo, crystallographic notes, production. JSL. Shortened version, in Spanish, in *Bol da União Pan-Americana*, 12, 5, Maio 1917, 241-9, under title "A esmeralda na America Espanhola."

5180. -----1917 The turquoise in Spanish America. *Bull Pan-Amer Union*, 45, 3, Sept 1917, 281-98, 13 ill. JSL. History of turquoise among the Indians of SW United States, Mexico, and elsewhere in Spanish America; appropriate photographic illustrations of New Mexico mines, objects made from or with turquoise, and rough. Shortened version in *Bol Da União Pan=Americana*, 14, 2, Fevr 1918, 94-103, 3 photos. JSL.

5181. POHL, LUCIEN

Agence Générale Des Colonies | [orn rule] | L'Avenir | De La | Culture Sous-Marine | Des | Perles Fines Dans Les Colonies Francaises | Par Lucien Pohl | [rule] | Extrait du Bulletin de l'Agence générale des Colonies, N° 202. | [rule] | Melun | Imprimerie Administrative | [rule] | 1925

Centerstapled: 16 p. Tan wrap, cover title. 23.8 x 15.3 cm(9 3/8 x 6 in). Cut. USGS Kunz Coll, GS 34-866.

On prospects for commercial culture of pearls in various French colonial possessions, especially in the South Seas.

5182. POHL, W; NIEDERMAYR, G & NAUTA, W J
Geology of the vanadium grossularite deposits of the area: Degree Sheet 65 NE (Sheet 195/2). Kenya-Austria Mineral Exploration Project 1975-1978. Republic of Kenya, Ministry of Natural Resources, *Geol Survey Kenya* Rpt 101, Nairobi, 1979. Cementb: iii, [1 blank], 55, [3 blank]p; 10 fig(maps & cross-sects); 3 fold maps in back pocket(1 col geol). 24 x 17.1 cm(9 1/2 x 6 3/4 in). Cut. Pale blue print wrap(title on cover; a shorter title leads text); back cover inward-fold flap. Describes important deposits yielding gem-quality vivid green grossularite colored by vanadium; with advice on prospecting, marketing, and brief notes on unimportant occurrence of ruby, green tourmaline, rhodolite, tanzanite, turquoise, red spinel. Last part discusses ores and contains a section on water resources by W J Nauta. Rev *J Gemm*, 19, 4, 1984, 379.

5183. POINSSOT, LOUIS Pierres gravées trouvées en Tunisie. *Soc nationale des Antiquaires de France Bull*, Paris, 69, 1909, 194-224, 11 ill. Not seen; from *Metropol Mus Art Cat*, vol 9.

5184. POIROT, J P Élements de Gemmologie, Paris: Institut National de Gemmologie, 1976(?); in 2 loose-leaf vols, 350 p. 165 Fr. Not seen: rev B W Anderson, *J Gemm*, 15, 3, 1976, 150-2.

POIROT, J P, see BARIAND, P, 1985

5185. POLAK, HENRI(1868-)

De Invloed Van Den Oorlog | Op Onze Samenleving | Redactie H.S. Uyektuyer | De Invloed Van Den | Oorlog Op De | Diamantindustrie | Door | Henri Polak | J.Muusses - Purmerend [1917]

8°: 59, [1]p. Pale brown wrap, large question-mark design on cover with black & red title; adverts on other surfaces. 24.3 x 15.9 cm(9 5/8 x 6 1/4 in). Cut. Fl 0.50. USGS Kunz Coll, GS 34-740.

Cont: tp; logo; introd; historical review; text; append.

One of a series of studies on the economic impact of WW I on trades & industries in The Netherlands, in this case, upon the diamond-cutting industry.

POLAK H, see LEVITICUS, F

5186. POLAK, S

[Coat of arms, City of Antwerp] | Stad Antwerpen 1923 Ville D'Anvers | Juweelenstoet [underlined] | Jewels Pageant | Cortège Des Bijoux [underlined] | Photos et édition par | S.Polak, Bruxelles | Reproduction interdite [nd, 1923; title from wrap cover]

Edgestapled: [2 blank], [2] p text + [31]f of photos & [1]f publ data. All printed recto only. Very thick pale gray paper, cover title in blue; cloth hinge cover. 23.8 x 31.8 cm(9 3/8 x 12 1/2 in). Cut. JSL.

Cont: blank f; pageant committee; photos; publ data.

Souvenir booklet of brownish-tinted photographs of the pageant procession and horse-drawn exhibit cars participating in the celebration of the diamond industry in Antwerp, Belgium, 1923. The photographs were taken from a single vantage point at the corner of the Old Square in the city. Compare with *Juweelenstoet* entry of same year which is a much larger and more elaborate account.

5187. POLAND. AKADEMIA NAUK

Polska Akademia Nauk | Muzeum Ziemi | Bursztyn Baltycki | W Pismiennuctwie Polskim | 1534-1967 | [museum logo] | Warszawa - 1972 | Wydawnictwa Geologiczne

Only the bibliography seen, p 33-64, 391 entries on amber, including monographs, parts of larger works, and articles from various journals, all in Polish, segregated according to natural history, archeology, mining, commerce, museum exhibits, and shorter bibliographies which contain amber entries; dates from 1534 to 1967.

5188. -----1951 O bursztynie w Polsce. Wiadamosci Muzeum Ziemi, 5, 2, 1951, 437-52. Not seen.

POLE, WILLIAM(1814-1900)

Exceptionally skilled engineer; b Birmingham; consultant on many large & important engineering projects; F Roy Soc London, mbr other soc; numerous honors. DNB.

5189. -----1861

Diamonds. | By William Pole, | Fellow Of The Geological Society, Etc. Etc. | Extracted from Macmillan's Magazine for January, 1861. | [rule] | With A Note On | The Imperial State Crown And Its Jewels, | By | Professor J.Tennant, F.G.S. Etc. |

Reprinted from the Transactions Of The London And Middlesex Archaeological | Society, Volume I. | [rule] | London:- 1861. | [Printed for Private Circulation.]

8°: 16p; 7 fig. Pale tan wrap, cover title. 21.8 x 14.9 cm(8 5/8 x 5 7/8 in). Cut. USGS Kunz Coll, GS 34-842. Front cover counted in pag.

Cont: cover title(only); ill of crowns; text; ps; descript state crown.

A comprehensive general article giving excellent information on Brazil. A copy of the pamphlet in BM(NH) gives 13, [3 blank]p; 3 fig.

5190. POLIAKOVA, E D Lazurites of Southern Baikal Land. *USSR United Geological and Prospecting Service, Transactions*, 244, 1932, 19 p, in Russ with Engl summ p 18-19, Not seen; from BM(NH) Cat. Lazurite(lapis lazuli) occurs at SW end of Lake Baikal in a marble bed between gneisses; extensive deposits and much of the stone is suitable for ornamental purposes.

5191. POLINARD, EDMOND

Annales de la Société Géologique de Belgique | Publication Spéciale Relative Au Congo Belge - 1928-1929 | [rule] | Les Diamants translucides et opaques | des Gisements de la Bushimae | Par | Edmond Polinard | Chef du Service Géologique | de la Société Internationale Forestière et Minière du Congo | [vignette] | Liège | Imprimerie H.Vaillant-Carmanne | 4 Place Saint-Michel, 4 | [rule] | 1929 2778

Originally in T LII of the *Annales*, p c179-c219.

Centerstapled: 8°: [2 blank], [2], 41, [3 blank]p; sketch map, 37 fig (mainly crystal drawings); photo pls VII-IX tip-ins(diamond crystals & surface features). Tan wrap, cover title. 24.2 x 15.8 cm(9 1/2 x 6 1/4 in).

Cont: blank f; tp; publ note; text; pls explan; tab cont; pls; blank f.

Studies diamond crystals from Bushimae, Belgian Congo(Zaire). First of three parts on occurrences and stratigraphy of the alluvials in which the stones occur, varieties of diamonds. Second & third parts are detailed studies, with illustrations, of crystalline forms displayed by translucent & opaque crystals of various types, and with remarks on morphological features. The drawings in the text are excellent and depict many forms which usefully supplement those depicted in Fersman & Goldschmidt *Der Diamant*, 1911, while the photographic plates also depict 40 crystals and micro-scale surface features.

5192. -----1930

...[as above]...| Les Diamants transparents | des Gisements de la Bushimae | Par | Edmond Polinard |...| 1930 3657

Originally in T 35 of the Annales, p cl-c33.

8°: 37, [3 blank]p; 24 crystal drawings; photo pls I-II, bound-in. Similar print wrap. JSL. Continues descriptions of the Bushimae diamond crystals but now only those that are transparent.

5193. -----[1931] Les gisements diamantiferes des collines de Bakwanga-Divindji sur la Bushimae. *Congrès-Internat Mines, Métall, Mecanique et Géol Appliquées*, Sess 6, Liège, 1930, Sect Géol, p 25-42. Not seen.

5194. -----1931 Les diamants en agglomérations de cristaux et les diamants à cristallisation confusé des gisements de la Bushimae. *Ann Soc Géol Belg, Publs Spéciale Relative au Congo Belge*, 54, 1, 1931, p c1-c22, pls 1-4. Not seen.

5195. -----1931 Les déformation extérieures, les propriétés internes et les modalités de la cristallisation des diamants de la Bushimae. *Bull Acad Roy Belg, Cl Sciences*, ser 5, vol 17, 1931, 137-62, figs, pls. Not seen.

5196. -----1934 Les gisements diamantifères et accessoirement aurifères de la région de Bria en Oubangi-Chari *Ann Soc Géol Belg*, etc, 57, 2, 1934, c65-c85. Not seen.

5197. -----1934 Les champs diamantifères du Congo. *Assoc pour le Perfect du Mat Colonial, Bull* 4, Bruxelles, Jan 1934, 3-32. Not seen; history, geography, geology of diamond fields of Belgian Congo; description of mining methods.

5198. -----1952(?)

E.Polinard | Ingénieur civil des mines | Diamant [2-rule underlining] | Extrait De | L'Encyclopédie | Du Congo-Belge | Editions Bieleveld | 22, Rue De La Concord, 22 | Bruxelles [nd, post 1951]

Centerstapled: 12 p; 14 ill. Pale gray wrap, cover title. 26.8 x 20.4 cm(10 1/2 x 8 1/8 in). Cut. JSL.

Summarizes occurrences, prospecting activities, mining & recovery of the diamonds of Belgian Congo; many photographs of mining scenes and also diagrams of mining equipment.

POLKANOV, Y A, see YURK, Y Y, et al

5199. POLLAK, ISAAC

[taper rule] | The World | Of The Diamond | Taper rule] | Isaac Pollak | Foreword by | Isidore Lipschutz | Former President | Belgian Diamond Manufacturers Association | [logo] | An Exposition-Banner Book | Exposition Press Hicksville, New York [1975]

16°: xii, 127, [1 blank]p; 20 col photos of historical diamonds on 2 bound-in glossy f; 14 glossy f of photos & diagrs bound-in. Bright blue cloth-type paper over bds, gold lett spine. Blue dj, cut diamonds on cover, resume, vita, author photo. 22.8 x 15 cm(9 x 5 7/8 in). Cut. $8.50. LC 74-80687; ISBN 0-682-48006-1. JSL.

Cont: 1/2tp; tp; publ data; dedic; quot; tab cont; fwd; pref; text tp; 9 chs; append; index; blank p.

The book claims that "nothing was omitted... the... reader. .. will find here the answer to all possible questions" [on diamond]. But as may be expected, the reality is far from the promise, the contents furnishing nothing that is either new nor even as complete as similar works of about the same size. The author acknowledges borrowing material from Bruton's vastly superior *Diamonds*, 1971, with several of his later chapters strikingly similar to Bruton's material but paraphrased. In such portions the work rings with authority but earlier material, especially that on lore, legend, and fashion, and some matter on properties of diamond, is written in overly romantic terms and in places uses slang. Errors of fact are present as well as redundancies in the first two chapters where discussions of famous diamonds are repeated.

5200. POLLARD, ERNEST REX The geology of the Issineru-Enachu district, Mazaruni River, British Guiana. *Brit Guiana Geol Survey*, Georgetown, 1956, 63 p. Not seen.

5201. POLLARD, ERNEST REX; DIXON, C G & DUJARDIN, R A Diamond resources of British Guiana. *Brit Guiana Geol Survey Bull* 28, Georgetown, Demerara, 1957. Edgestapled: [1], [1 blank], 45 p; 10 fold fig in back wrap pocket; tip-in errata slip. Pale blue heavy paper wrap, cover title. 24.5 x 17.5 cm(9 5/8 x 7 in). Cut. $1.00(4/2). GS 58-116. JSL.

Historical note, distribution of alluvial deposits, type occurrences, origin of diamond, mining & recovery, descriptions of several producing districts. Pocket figures include geological maps, cross-sections, diagrams of washing equipment, and a production chart. Excellent, concise summary. Rev & quoted in extenso *The Gemm* 29, 243, 1960, 30-6.

5202. POLLARD, E R Geological survey of the diamond and gold deposits of the Mekuru district, Cuyuni River, British Guiana: an explanation of sheet No. 24, Georgetown, Demerara, 1953, cyclostyled 1958. The original was printed in 1953 by The Daily Chronicle, Ltd, Printers to the Government of British Guiana, Georgetown. Wrap title only. Edgestapled: [2], 18, [5]p; 2 sketch maps; large fold geol map. Pale green print wrap. 33 x 21 cm(13 x 8 1/4 in). GS 54-92 rev. JSL. Locations & accessibility, physiography, geology, petrology, alluvial deposits.

5203. POLLETT, J D The diamond deposits of Sierra Leone. *Bull Imperial Inst*, London, 25, 1937, 333-48, 1 pl, 2 text fig. Not seen.

5204. -----1951 The geology and mineral resources of Sierra Leone. *Colonial Geology and Mineral Resources*, London, vol 2, 1951, 3-28, 12 pls of photos on 3 bound-in glossy f; fold geol map; fold mineral map. JSL.

Describes discovery and mining of alluvial diamonds, p 18-20, with production figures and remarks on a number of very large crystals up to 770 carats(described later by W T Gordon, which see). Several photographs show mining activities and a gravel washing plant. Biblio p 27-8, 24 entries, 3 being on diamond.

5205. POMARIUS, JOHANN(1514(?)-1578) Der köstliche Agtstein od. Bernstein, mit seinem Ursprung, Natur, Farben, Art, Eigenschafft, Krafft vnd Wirckung, auch geistlichen, allegorischen vnd geheimen Bedeutung. Not seen; from Buchhandlung Gustav Fock, Leipzig, Kat 721, 1938, nr 585; also Gatterer II, 153; Hoover Finding List. "With 16 interesting fullpage antique-colored woodcuts. Magdeburg, A Kircher, 1587... extraordinarily rare: one of the oldest writings on amber."

5206. POMPADOUR, Madame Marquise JEANNE ANTOINETTE POISSON DE(1721-1764) Suite d'estampes gravées par Madame la marquise de Pompadour, d'après les pierres gravées de Guay, graveur du roi. Paris: Prault, 1782. 4°: front + 63 + 7 pls. Not seen; Pieter van Damme(1728-1806) *Catalogue de la bibliotheque...* délaissés par M.Pierre van Damme, Paris, 1807, p 202: "a very rare collection, in part because of being printed in very limited number and in part because copies were never sold publicly."

In about 1744, Pompadour's beauty and accomplishments attracted the attention of Louis XV(1710-1774) who gave her a title and sought her companionship, which grew into a strong influence in court politics and foreign affairs. Pompadour, for example, was given power to appoint ministers and generals, to receive ambassadors, and to carry on correspondence with other European courts; she was instrumental in affecting the coalition of France and Austria against Frederick the Great in 1756. Under the tutelage of Jacques Guay(1715-1787), she became a skilled gem engraver herself; see LETURCQ, J F, 1873. *Biogr Univ*, 35, 283,portr-291. For remarks on Guay, see BABELON, E, 1894, 1902.

5207. POND, FORREST W

how to make | and use | gem carving tools |...| $2.00 by forrest w. pond [sic; publ by author, 10012 Deerhaven Drive, Santa Ana, CA 92705, 1971; wrap title only]

Centerstapled: 28 p; 27 line drawings, 46 photos. Tan-yellow print wrap, black lett & photos on cover; back cover vita; address inside cover. 21.7 x 14 cm(8 1/2 x 5 1/2 in). Cut. $2.00. JSL.

Specific instructions on how to make a wide variety of small tools from readily available materials; based on author's personal experiences in carving and as a manufacturing jeweler. Amply illustrated & useful.

PONIATOWSKI, Prince STANISLAS(1757-1833)

Polish noble, son of Casimir P, (1721-1780) Chancellor of Poland; became Grand Treasurer of Lithuania, Starost of Podolia; served as Lt Gen in Royal Army; 1793 settled in Vienna & later in Rome where he assembled his collection of engraved gems; d Florence.

5208. -----1831-1833

Catalogue | des Pierres Gravées Antiques | de S.A. le Prince Stanislas Poniatowski [nd; Florence, 1831-33]

Above is all that appears on the fully engraved title enclosed in a two-compartment rect orn frame, lower space occupied by a Greek head in an oval & with scrollwork surround; image 18 x 13.9 cm(7 x 5 1/2in).

4°: [2]f + XX p + [2]f + 131, [4], [1 blank]p. 27.1 x 20.2 cm(10 3/4 x 8 in). Cropped. USGS Kunz Coll.

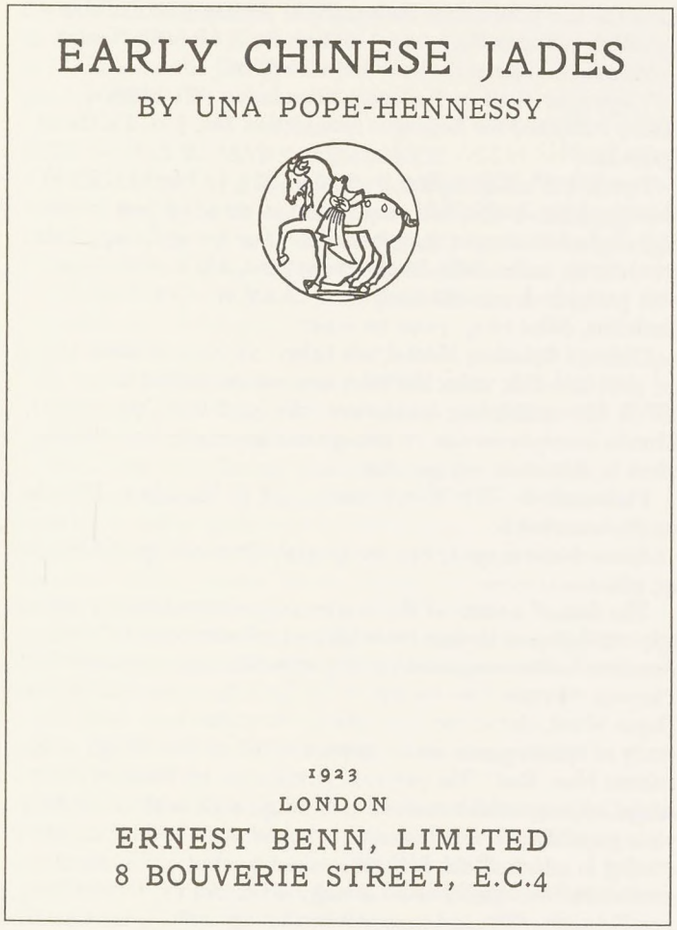
Cont: tp; explan of title pl; observations on gem engraver's art; tab of classes of gems with own title; catalog; blank p.

Reinach, *Pierres gravées*, 1895, 152, seems to be the only older authority familiar with this work for he mentions that the prince was "very jealous of his treasures and would not permit inspection by everyone, and he privately published shortly before his death a Catalogue...which was not made available in commerce and hence copies are almost unobtainable." However, see also Thomas Heneage, London, *Catalogue* 2, 1981, no 104, who apparently offered this work and described it as "Florence, 1831-1833, xx + 137 + 246 + 203 pp 26 x 21 cms." For further details on Poniatowski and his collection, see PRENDEVILLE below.

PONIATOWSKI, S, see OLCOTT, G N

5209. PONZI, GIUSEPPE & MASI, FRANCESCO

Catalogo Ragionato | Dei | Prodotti Minerali Italiani | Ad Uso | Edilizio E Decorativo | Spediti Dal Ministero | D'Agricoltura, Industria E Commercio | All' Esposizione Internazionale Di Vienna | Ed Ordinati E Descritti | dai Signori Prof.



5211. Pope-Hennessy's large, well-illustrated treatise is still one of the best available on Chinese jades

Giuseppe Ponzi, Senatore del Regno | e Prof. Francesco Masi | colla scorta delle notizie fornite dalle Giunte speciali di ciascuna Provincia. | [Ital coat-of-arms] | Roma | Tipografia Coltellini E Bassi | 1873

8°: VI, 202, [1 blank], [1], [1 blank p. Pale tan wrap, cover title in orn frame. 26 x 18 cm(10 1/4 x 7 1/8 in). Uncut. JSL.

Cont: tp; pref; 15 chs in 2 pts; index; blank p.

A catalog of building stones, ornamental stones, and other structural materials of Italy prepared for the exhibit in the International Exposition in Vienna. First part: stones and structural stones(245 entries) including cements, plasters, pozzuolans, marls, refractory earths, and asphaltic materials as well as the usual building stones. Second part: cat nos 246-600, and first appendix, or 373 stones in all, describing the ornamental stones of many types and varieties. Very brief entries, in most instances, merely identifying the materials and where obtained.

5210. POOR, ROBERT J Jade as sculpture. Saint Paul, 1975. 21.5 x 21.5 cm, 80 p, 6 col pls tip-in; numerous ill; 2 line drawings; tip-in erratum. White, embossed wrap. Not seen: from Richard Lyons, England, catalogue of Sept 1987, no 576. Catalog of 110 exhibits, all illustrated, at the Minnesota Museum of Art, Rare Art Inc., and Indianapolis Museum of Art, 1975.

POOR, R J, see LYONS, E

5211. POPE-HENNESSY, Dame UNA CONSTANCE(nee Una Constance Birch, 1876-)

Early Chinese Jades | By Una Pope-Hennessy | [orn] | 1923 | London | Ernest Benn, Limited | 8 Bouverie Street, E.C.4

8°: xx(first f blank), 148, [1], [1 blank]p + pls sect titleleaf on glossy paper & 64 pls on glossy f, each with thin paper guard with lett, 8 pls col; 13 text fig. Pale gray buckram, gold lett spine, bds rounded edges. 28 x 22 cm(11 x 8 3/4 in). Cut. The text paper is thick, blotter-like stock tending to rub away easily. LC 24-4040. JSL.

Cont: blank f; 1/2tp; tp; publ data; dedic; ackn; introd; tab cont; ill list; 11 chs; concl; dynasties; Chinese terms; biblio(p 145, 35 entries); index; blank p; pls tp; pls.

An early, major work in the English language, much respected and constantly quoted or referenced. The introduction briefly treats the peculiar esteem in which jade was held by the Chinese and cites earlier writings which attempt to explain this esteem in terms of Chinese cultural development. The text takes up jade quarries, significance of jade, astronomical instruments of jade, ritual jades and many other forms of carvings used in ceremony, in talismans, or merely as decorative pieces. Following the text are a very brief conclusion which restates the importance of archaic jades in any study of Chinese archeology, a chronology of dynasties, and a useful glossary of Chinese terms that were employed in the text. The bibliography includes several important monographs on jade but largely consists of articles and books on Chinese art or archeology in general. The photographic illustrations are generally good with the color plates notable for the delicacy of tinting which suggests use of watercoloring for that purpose. The materials from which the book is made are sound but the employment of very thick, blottery paper causes severe strain at the inner front cover hinge which commonly splits when the book is opened. Summ by G M Born, 275-7; Yang 1782. Rev by A Salmony, *Jb Asiatisches Kunst*, 1, 1924, 272.

5212. -----1923, New York

Early Chinese Jades | Ry Una Pope-Hennessy | 1923 | New York | Frederick A.Stokes Company | Publishers [LC 24-4040]

5213. -----1923, spec edit, London. P [vi]: "Of "Early Chinese Jades" 60 copies only for sale have been printed on hand-made paper, signed by the author and bound in pigskin. These copies contain an extra colour plate. This is No. [number in ink, signed below by author]" The extra plate is VIII.A, a plaque of amber jade in dragon form. The inside covers are lined with single sheets of thick white paper, inner hinges of white cloth, two flyleaves front & back, the first laminated, second single. Full pale brown pigskin, gold lett spine, edges rounded, teg, others untrimmed. One of the rarest of all jade books. JSL.

5214. -----1935 Jades. An article in Leigh Ashton's *Chinese Art*, London, 1935, p 86-102, Pls XX-XXIII. Summ by G M Born, 277-8. JSL.

5215. -----1946

A | Jade Miscellany | By | Una Pope-Hennessy | (Author of Early Chinese Jades and the section Jades | in the Handbook on

Chinese Art edited by Leigh Ashton | for the Royal Academy Exhibition of 1935) | [orn] | Nicholson & Watson | London [1946]

8°: [blank f] + 60p + [blank f]; front tip-in glossy photo pl opposite to p [4]; 18 photos on 6 bound-in glossy f; 9 fig. Red cloth spine, gold lett; pale green paper over bds. Col dj, resume. Also in dull orange paper over bds, green cloth spine, the cover paper bearing same design & lett of the original dj; plain back cover. 24.6 x 18.3 cm(9 5/3 x 7 1/8 in). 7s.6d. JSL.

Cont: blank f; 1/2tp; tp; publ data; tab cont; ill list; ackn; pl; quot; 8 chs(last ch is biblio); blank f,

Brief, authoritative, useful but covering only certain aspects of jade, each chapter in effect being an essay able to stand alone. Topics: nature of jade and its place in Chinese culture, symbolism(3 chs), Chinese jade carvings of mountains and discussion of symbolism in same, the large wine bowl of Peking, early encounters of Westerners with the Chinese, and lastly, discussions of several major works on jade, among them Laufer's *Jade* of 1912, which, as appears to be the favored practise among later students of jade, receives sharp criticism from Pope-Hennessy because Laufer chose to include material from a doubtful source. Summ by G M Born, 278-9; Yang 1784.

5216. POPOV, V A; VASILEVSKII, V, et al Samotsvety Ural. Ocherki i rasskazy. Sost. V.A.Popov, V.Vasilevskii i dr. Sverdlovsk, 1937, 176 p. Notes & stories about Uralian gemstones. Not seen.

5217. PORADA, EDITH Seal impressions of Nuzi. *The Ann of the Amer Schools of Oriental Res*, 24, 1944-45, New Haven, 1947. 8°: viii, 138 p + Pls I-LIV on 28 glossy bound-in f. Cloth. 25.2 x 18.7 cm(9 7/8 x 7 3/8 in). Cut. JSL.

"Contains a selection of more than one thousand of the impressions on the tablets found at Nuzi, most of them in the house of a certain Tehip-tilla... this is the first time that such a large number of seal impressions on tablets coming from the same site and written within a short period have been systematically studied (p 11)." Describes the material, its relation to earlier glyptic groups, the iconography, and the Mitannian legacy. All plates are photographic save the last four which depict a number of impressions by line drawings, Nuzi is a site just SW of Kirkuk, NE Iraq.

5218. -----1947 Mesopotamian art in cylinder seals of the Pierpont Morgan Library. New York, 1947. vi + 81 p, 198 ill in text, wrap, 23.5 x 15.5 cm. Not seen, from Thomas Heneage, London, Cat 2, no 105.

PORADA, E, see AMIET, P, et al

5219. PORADA, EDITH & BUCHANAN, BRIGGS

[Series title:] Corpus Of Ancient | Near Eastern Seals | In North American Collections | Edited For | The Committee Of Ancient | Near Eastern Seals | A Project Of The Iranian Institute | The Oriental Institute Of The University | Of Chicago And The Yale Babylonian Collection | [orn] | The Bollingen Series XIV | [taper rule] | Pantheon Books

[Volume title(s):] Volume I - Text | The Collection Of The | Pierpont Morgan Library | Catalogued And Edited By | Edith Porada | With The Support Of A Grant | From The Penrose Fund Of The | American Philosophical Society | In Collaboration With | Briggs Buchanan | Preface By | Albrecht Goetze

Volume I - Plates |... [remainder identical]

"Copyright 1948 by Bollingen Foundation, Washington, D.C. | Published for Bollingen Foundation Inc. | by Pantheon Books Inc."

Text vol: 8°: XXVI (first 2 p blank), [1], [1 blank], 187, [1 blank]p; front double-fold map bound-in ahead of first gathering; single-fold chrono chart bound-in after last gathering. Pale greenish-tan unfin cloth, black orn on over; black cloth spine with gold lett & orn. 30.6 x 23 cm(12 x 9 in). Cut. In plain black box. JSL.

Cont: pl & index; blank f; ser 1/2tp; ser tp; publ data; vol tp; pref; tab cont; ackn; introd; gloss; abbrev list(biblio, p XXVI, 19 entries); cat; inscriptions(edit by A Leo Oppenheim); Elamite inscriptions(edit by George G Cameron); concord tab; blank p; fold chart explan; chart.

Plates vol: 8°: XIV (first f blank), [1], [1 blank]p + 176 pls on 88 bound-in f.

Cont: blank f; ser 1/2tp; ser tp; publ data; vol tp; pls list; pls tp; pls.

The first of a series of five works to be devoted to the systematic cataloging of ancient Near Eastern cylinder seals in North American collections, commencing with the seals purchased by J Pierpont Morgan who for advice "utilized the services of William Hayes Ward, one of the first scholars to realize how much the study of cylinder seals could contribute to our knowledge of the ancient Near East." The previous publication by Ward of many of the seals is noted but about half of the seals in the collection were unpublished, this omission being rectified in the present catalog in which all the Morgan seals, a total of 1157, are recorded and described as well as depicted in the excellent photographic plates. The seal materials are largely softer gemstones in the earlier types, notably calcareous rock and serpentine, but later specimens were made from lapis lazuli, crystalline and cryptocrystalline quartzes, igneous and sedimentary rocks, shell, bone, hematite(many examples), and a few from metals.

5220. -----1966. Les cylindres de la Jarre Montet. Paris, 1966, 16 p, 2 pls. Not seen, from Thomas Heneage, London, Cat 2, 1981, Suppl, no 182.

5221. PORADA, H R & HILL, R S

[State seal] No.5 | South-West Africa Series | [rule] | The Marble Deposits of South-West | Africa | by | H.R.Porada, Dr.rer.nat. and R.S.Hill, M.Sc. | Met 'n opsomming in Afrikans onder die opskrif: | Die Marmerafsettings Van Suidwes-Afrika | Republic Of South Africa, Department Of Mines | Geological Survey |...[3 lines]...| 1974 |...[5 lines] [vertical rule to left]

Edgestapled: [3], [1 blank], vi, 57, [1 blank]p; 17 fold maps, 21 photos(8 col). Col wrap(marble patterns). 29.8 x 21 cm(11 3/4 x 8 1/4 in). ISBN 0 621 02115 6. JSL. PJ Hugo et al, 2429.

Cont: tp; personnel list; tab cont; ill lists; abstract; introd; deposits; Afrikans summ; biblio(p 55-6, 13 entries); append; pls; blank f.

Provides general remarks on marbles, terms used in descriptions, etc, followed by details on geology & mineralogy of the deposits, types of marbles, etc, Many of the marbles are colorful & attractively-patterned.

5222. PORCHERON, H Rapport sur les mines de diamants de Agua Suja, dans l'État de Minas Geraes, Bresil. Paris: Lecoq et Mathorel, 1903, 18 p, 3 ill. Not seen, from Iglesias & Meneghezzi, 1959, p 243.

5223. PORTER, MARY WINEARLS

What Rome | Was Built With | A Description Of The Stones | Employed In Ancient Times For | Its Building And Decoration | By | Mary Winearls Porter | London And Oxford: Henry Frowde | Also At New York And Toronto | 1907.

8°: viii, 108 p. Dk green cloth, gold title & raised gold medallion in a 4-rule gold frame on cover; gold lett & rules on spine; blind frame back cover. 10.7 x 11.6 cm(6 3/8 x 4 5/8 in). Teg. Green silk marker ribbon. BM(NH) Libr. LC 8-13631.

Cont: tp; print data; pref; tab cont; text; biblio(p 103-4, 51 entries); stones index; general index.

Small but fine scholarly work, treating the monumental and architectural history of Rome, the love of its inhabitants for decoration and magnificence in public works, and the numerous kinds of stone drawn by them from many deposits in Italy and also from Africa, France, Greece, Spain, and other countries. Stones include marbles, granites, basalt, alabasters, jasper, serpentine. Handsome work, a delight to read. *Hoover Coll Catalog*, 1980, no 656. Porter best known for her monumental *Barker Index of Crystals*.

5224. POSEWITZ, THEODOR, or in Hungarian, TIVADAR

Borneo. | Entdeckungsreisen und Untersuchungen. | Gegenwärtiger Stand der geologischen Kenntnisse. | Verbreitung der nutzbaren Mineralien. | Von | Dr. Theodor Posewitz, | Mitglied des k.ung.geologischen Institutes in Budapest. | Mit 4 Karten und 29 Profilen und Abbildungen im Text. | [rule] | Berlin | R.Friedländer & Sohn | 1889.

8°: XXVII, 385 p; 29 fig; 4 fold maps(of journeys, part col, another political subdivisions, another full-col geological, and lastly a part col mineral deposits). 26.2 x 17.8 cm(10 3/8 x 7 in). Cropped, LC 6-3791. JSL.

Cont: tp; publ data; dedic; pref; biblio(p [IX]-XXI, ca 260 entries); tab cont; 3 pts text; remarks on maps; append; bound-in maps.

Comprehensive geological/mineralogical work on Borneo, treating history, economic mineral deposits, etc, with an important section in the last part, p 293-315, on the history of diamond in Borneo, type occurrences, extents, methods of exploitation, diamond crystals, forms, prices realized for rough, production statistics, cutting, and largest known specimens. It is all firsthand as a result of the author's extensive travels throughout the island and as supplemented by his researches in previously published materials, especially in connection with diamond. This remains the most important work on diamond deposits in Borneo.

5225. -----1892, Engl transl

Borneo: | Geology And Mineral Resources. | By | Dr.Theodor Posewitz, | Member Of The Royal Hungarian Institute, Budapest. | Translated From The German | By | Frederick H.Hatch, Ph.D., F.G.S. | Of The Geological Survey Of England And Wales. | With Maps And Illustrations. | London: Edward Stanford, | 26 & 27 Cockspur Street, Charing Cross, S.W. | 1892 | [The right of translation reserved.]

8°: xxxii, 495, [1 blank]p; 18 fig, 4 maps(part col, fold). 21.3 x 14 cm(8 1/2 x 5 1/2 in). Cropped. BM(NH) Libr. GS 10-45.

Cont: tp; dedic; pref; biblio(p ix-xxiii, ca 260 entries); tab cont & ill, map lists); 4 chs; notes on maps; blank p; maps.

Diamonds treated on p 381-406. HATCH, FREDERICK HENRY(1864-1932).

5226. POSTELMAN, ALFRED Die Ursache der Blaufärbung gesteinsbildenden Quarze. *N Jb Min*, Abt A, B-Bd 72, 1937, 401-40, 6 pls. The blue color in certain grains of quartz in rocks attributed to minute acicular crystals of rutile; author also attributes color in smoky and rose quartz to titanium; pertinent literature reviewed. BM(NH) Libr.

POTT, JOHANN HEINRICH(1692-1777)

Ger chemist; b Halberstadt; educ cathedral school in that city, also in Halle where entered univ 1709; first stud theology but changed to medicine, grad in 1716; to Berlin in 1719 where soon admitted to Acad Sci but left after violent dispute with other mbrs; prof chem Berlin, later dir of royal pharmaceutical establ; chiefly recognized for successful researches on clays suitable for mfr of porcelain and for fusion experiments. Pogg 2, 509-10.

5227. -----1746 D.Johannis Henrici Pott Prof.Chym. und Mitglied der Königl. Academie der Wissenschaften Chymische Untersuchungen welche fürnehmlich von der Lithogeognosia oder Erkäntniss und Bearbeitung der gemeinen einfacheren Steine und Erden ingleichen von Feuer und Licht handeln. Potsdamm. Bey Christian Friedrich Voss. 1746. 4°: [8], 88 p. [With continuation:]

D.Johannis Henrici Pott Fortsetzung derer Chymischen Untersuchungen, welche von der Lithogeognosie, oder Erkäntniss und Bearbeitung derer Steine und Erden specieller handeln. Berlin und Potsdam, bey Christian Friedrich Voss. 1751. 4°: [8], 120 p.

Not seen; above from J.Ferguson *Bibliotheca Chemica*, 2, 223-4, who also notes a second continuation to the above, Berlin, 4°, and a new edition of the whole, Berlin, 1757, 4°.

5228. -----1753, Fr transl

Lithogéognosie | Ou | Examen Chymique | Des Pierres | Et | Des Terres En Général, | Et du Talc, de la Topaze & de la Stéatite | en particulier, | Avec Une Dissertation Sur Le Feu | & sur la Lumiere. | Par M.J.Pott, Docteur en Medécine, | Professeur en Chymie, & de l'Académie Royale | des Sciences de Berlin. | Ouvrages traduits de l'Allemand. | [orn] | A Paris, | Chez Jean-Thomas Herissant, rue | S.Jacques, à S.Paul, & à S.Hilaire. | [double rule] | M DCC.LIII. | Avec Approbation & Privilége du Roi. [1753]

12°: viij, 431 p; a^4, A-S^{12}; engrav pl tip-in facing p 422. 16.2 x 10 cm(6 3/8 x 4 in). Cut. JSL. Ward & Carozzi, 1813; Dewalque, 405.

Cont: tp; pref; introd; 4 chs; tab cont to foregoing; additional texts; corrections & clarifications; blank p. LC ACl2-613D.

According to Thomas Thomson, *The History of Chemistry*, I, p 267-9, this work "is one of the most extraordinary productions of the age in which he lived. It was the result of a request of the King of Prussia, to discover the ingredients of which Saxon porcelain was made. Mr.Pott, not being able to procure any satisfactory information relative to the nature of the substances employed at Dresden, resolved to undertake a chemical examination of all the substances that were likely to be employed in such a manufacture. He tried the effect of fire upon all the stones,

earths, and minerals, that he could procure... [making] at least thirty thousand experiments in six years, and laid the foundation for a chemical knowledge of these bodies. It is to this work... that we are indebted for our knowledge of the effects of heat upon various earthy bodies, and upon mixtures of them." Thomson goes on to say "It was a knowledge of these mutual actions of bodies on each other... that gradually led to the methods of examining minerals by the blowpipe." Among thc materials tested by Pott were the gemstones quartz, in several crystal & cryptocrystalline varieties, the "oriental hyacinth" or zircon, garnet, fluorite, and topaz, the last being very carefully tested and the results published in a separate paper incorporated with others in the present work. Tables of results of experiments appear in the second part of the treatise described below.

5229. -----1753, continuation

Continuation | De La | Lithogéognosie | Pyrotechnique, | Où L'On Traite Plus Particuliérement | de la connoissance des Terres & des Pier- | res, & de la maniere d'en faire l'examen. | Par J.H.Pott. | [orn] | A Paris, | Chez Jean-Thomas He'rissant [sic], rue Saint | Jacques, à S.Paul & à S. Hilaire. | [double rule] | M.DCC.LIII. | Avec Approbation & Privilège du Roi. [1753]

12°: 267, [5]p + CIII, [3 blank]p; A-L^{12}, M^{4} A-M^{4}. Uniform with above.

Cont: tp; pref; text(modern views of the nature of stones); approb & priv; errata; table; 3 blank p.

According to LC Ca 12-613D, the entire work was translated by Didier François d'Arclais de Motamy(1702-1765).

5230. -----1768 X. Chymische Versuche mit dem sächsischen Topasen. Von dem Herrn Pott. Aus den Memoires des l'Acad. de Berlin. Th.3. *Mineralogische Belustigungen, zum Behuf der Chymie und Naturgeschichte des Mineralreichs*, Erster Bd, Leipzig, bey Joh.Friedrich Heineck und Faber... 1768, Nr.10, 153-69, which periodical see. JSL.

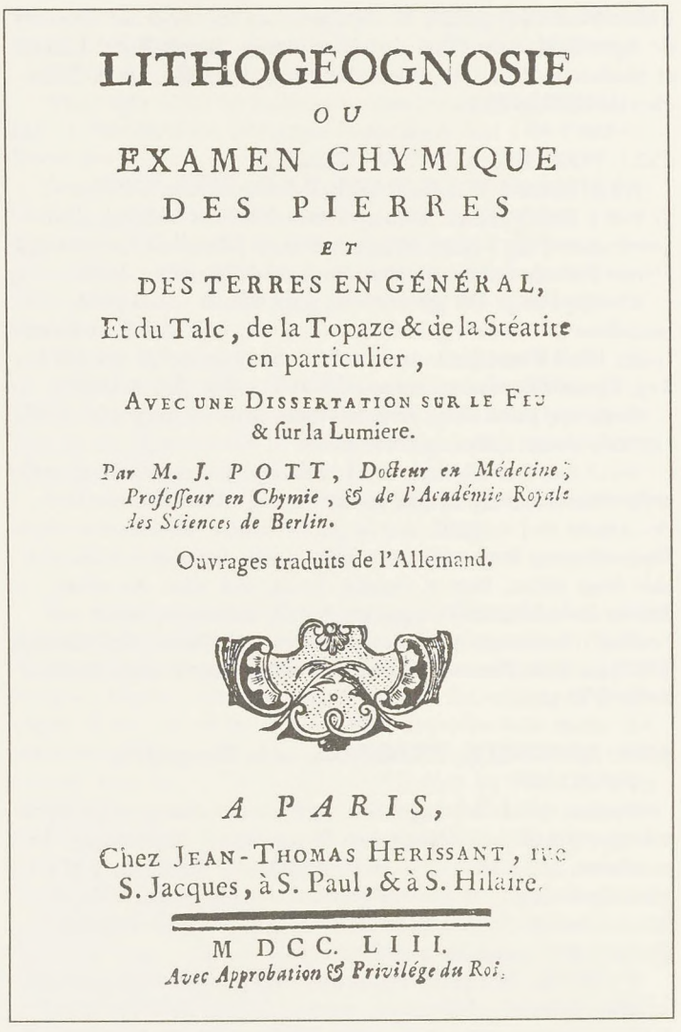
General remarks on chemical investigations of precious stones, experiences of the writer, ancient views of the nature of topaz, origin of name, varieties, colors, hardness, preparation of test samples for reaction to fire, mixtures of topaz with various other mineral materials for fusion experiments, with results. With: XIII. Chymische Versuche mit dem alten Steatites, von den Deutschen aber so genannten Specksteine. Ibid, Th.3, Nr.13, 192-228. On steatite, nomenclature, possible identity with similar stones mentioned by older authorities, occurrences in Europe, external characters, mineralogical identity, relationship to nephrite, and chemical investigations on same.

5231. POUGET, JEAN HENRI PROSPER(d 1769)

Traité | Des Pierres Précieuses | de la maniere de les employer | en Parure. | Par Pouget Fils. | a Paris chez l'Auteur, | M^{d} Joyaillier, Quay des Orfévres | au Bouquet de Diamants, | et | Chez Tilliard, Libraire, Quay des | Augustins à S^{t} Benoist. | J.B.Piauger, inv. del. P.F.Courtois Sculp. | avec Privilege du Roy. 1762.

Entire title engraved: a frame, supported by pedestaled base, is cloth-draped, with title on the cloth, and below, a group of cupids bedecking a lady with jewels; the base bears publ data and below that appear names of artist & engraver.

4°: [f] + [4], vi, 88 p; pi; pi^{2}, a^{3}, A-L^{4}; 7 text woodcuts; 79 engrav pls bound-in at end. Many woodcut head- & tailpcs, ch orns, inits. 25.3 x 19.3 cm(10 x 7 5/8 in). Cropped. USGS 33-270; Dewalque 407; JSL.


LITHOGÉOGNOSIE
OU
EXAMEN CHYMIQUE
DES PIERRES
ET
DES TERRES EN GÉNÉRAL,
Et du Talc, de la Topaze & de la Stéatite en particulier,
AVEC UNE DISSERTATION SUR LE FEU & sur la Lumiere.
Par M. J. POTT, Docteur en Médecine, Professeur en Chymie, & de l'Académie Royale des Sciences de Berlin.
Ouvrages traduits de l'Allemand.
A PARIS,
Chez JEAN-THOMAS HERISSANT, rue S. Jacques, à S. Paul, & à S. Hilaire.
M DCC. LIII.
Avec Approbation & Privilége du Roi.

5228. Titlepage to Pott's classic analyses of minerals and gemstones by use of high temperatures to cause decomposition

Cont: tf; dedic; list of jewel types; pref; text; pls descriptions; omissions; pls.

An extremely important work which is esteemed for its accurate statement of the everyday knowledge possessed by jewelers and experts in gems in France of the 18th century but perhaps even more highly valued for its many hundreds of carefully-drawn and engraved jewelry designs which appear upon the plates. Apparently these were designed by Pouget, the noted Parisian jeweler, and engraved on copper by Mademoiselle Raimbau whose name appears upon the first plate. No less than 30 types of jewelry are listed in the text, including 6 orders of chivalry and various large and ornate "bouquets."

The work begins with a preface that extols the arts of the jeweler, especially as practised in France, and then gives a lengthy poem on the discovery of fire, and passes to a listing of jewel-gems in two categories of esteem, with a list of other lesser-valued gemstones, There are also lists of gemstones in the High Priest's breastplate and the stones assigned to zodiacal

signs, plus a short historical note on the uses of gems. The descriptive text takes up diamond, ruby, spinel, topaz, sapphire, emerald, "prime d'emeraude," amethyst, aquamarine, opal, garnets, zircon, peridot, turquoise, pearl, coral, amber, jet, strass, agate, sardonyx, carnelian, jade, bloodstone, various chalcedonic quartzes, lapis lazuli, rock crystal, fluorite, marcasite, alabaster, porphyry, and marbles. Other gemstones are occasionally included under the above headings, but sometimes misleadingly as in the case of "oriental" topaz, a sapphire, described along with the genuine topaz. Following this large and important section, Pouget furnishes descriptions of the metals employed in jewelry and including copper, iron, tin, lead, mercury, and the lodestone. An interesting group of small woodcuts depicting the Grand Mogul, Duke of Tuscany, Sancy, and Regent diamonds appear in the diamond discussion and are among the earliest such pictorial representations to be found in the gemological literature.

Following the above, there appears upon p 35-9 a "Catalog of Authors Who Have Treated Precious Stones," which includes comments upon the works of Theophrastus, Dioscorides, Pliny, Marbod, Dolce, Rueus, Boetius De Boodt, Clave, Jeffries, and others. The next section, a large one, lists the principal European orders of chivalry by country, then describes the most important jeweled badges. Closing the text are notes on prominent goldsmiths of Europe, the six merchant guilds of France, a description of the plates(very brief), and several verses of poetry from Voltaire, with an addenda of Maltese chivalric orders omitted in tke text. References in Cohen - De Ricci 819; Berlin Kat 869; Guilmard 254("très-utile a consulter pour les bijoutiers, les joailliers et les graveurs de lettres."). Copies of Pouget are rarely encountered in the antiquarian market and commonly lack the 6 pages of preface which some authorities suggest were added to later issues. However, the collation above coincides with that of the facsimile copy described below.

5232. -----nd, facsimile edit

Traite | Des | Pierres Precieuses | Et De La Maniere De Les Employer | En Parure | Par | Pouget Fils | [rule] | 1762 | [rule] | (Reproduction En Fac-Simile | Paris | Librairie Centrale D'Art Et D'Architecture | Ancienne Maison Morel, Ch.Eggiman, Succr | 106, Boulevard Saint-Germain, 106) [nd; title in red & black]

Loose f: [4], [1 title], 79 [pls]f. Plain wrap. 32.8 x 26 cm(13 x 10 1/4 in). The first 2f in a single fold sheet. Uncut. JSL.

Cont: 1/2tp; tp; commentary on original work; pls list; reprod of original title leaf; pls.

Reproductions of very good quality on heavy high-quality paper; in various bindings; my copy in loose sheets as printed.

5233. -----1764 Nouveau recueil de parures de joyaillerie, Second Livre, Paris, chez l'Auteur et Chez Tilliard, 1764. Engrav title, like first edit, 80 fold pls. Not seen; from Marlborough Rare Books, London, Cat 83, no 68, May 1979: "extra-illustrated with a large folding plate, describing and illustrating the coronation crown of Louis XV, engraved by Antoine after Rondé le fils."

POUGH, FREDERICK HARVEY(1906-)

USA mineralogist/gemologist; MS geol U St Louis 1930; stud under V. Goldschmidt U Heidelberg; PhD Harvard U 1935; curator minerals & gems Amer Mus Nat Hist NYC, resigning 1953 to pursue consultancy & writing; briefly held dir & curator Santa Barbara Mus, Calif, 1964-6; poughite, a rare tellurium mineral named after. Biogr notes by E J Gübelin, *Zs Dt Gemm Ges*, 30, 2. 1981, 120-4, portr.

5234. ----- 1936 Phenakit, seine Morphologie und Paragenesis. *N Jb Min*, B-Bd 71, Abt A, Stuttgart 1936, p 291-341; 8 pls, 1 tab, 10 text fig, Also in offprint. Primarily a detailed study of the crystallography of phenakite as determined from crystals from many localities including USSR, Brazil, and USA. Brief descriptions of type deposits & parageneses.

5235. -----1952-53 A short course in gemology. *J C-K*, 122, 7, 1952, 126, 144-8, to v 123, 5, 1953, 126-9; altogether 10 articles.

5236. -----1957 Reconstruction, synthesis, culture - or what? *J C-K*, 127, 10, 1957, 59-70, 87, to v 128, 1, 126, 128, 193-5; altogether 4 articles.

5237. -----1962 Brazilian gem market. *J C-K*, 132, 5, 1962, 70, 75, 93-5, to no 9, 50, 52, 60-1; altogether 5 articles.

5238. -----1963 Cultured pearls, *Lap J*, 16, 11, 1963, 1014-9, ill, to v 17, 2, 270-7; 4 articles altogether.

5239. -----1963-1966 [Facetable minerals.] Facetable carbonate minerals: *Lap J*, 17, 4, 1963, 450-68, ill; 5, 526-31. Clear phosphates: 6, 610-15; 7, 700-5; 8, 806-11; 9, 918-21. Facetable sulphates: 10, 1964, 1010-18. Misc: 11, 1092-8. Facetable borates: 12, 1182-9. Sulphides: 18, 1, 1964, 106-13. Haloids: 2, 318-21; 3, 390-4. Oxides: 4, 478-83; 5, 552-7; 6, 682-6. Silicates: 7, 730-40, to v 20, 9, 1966, 1990-3; altogether 24 articles on silicates.

5240. -----1967

The Story of Gems | and semi precious stones | by Frederick H.Pough | Illustrated by | James Barry | Harvey House Inc. Publishers | Irvington- On-Hudson, New York [title in elliptical frame, spread over 2 p; peripheral decorations, vignettes, photos; 1967] ["A Story of Science Series Book"]

8°: 142 p(includes front pastedown & flyleaf; back pastedown integral with last gathering). 30 fig, 56 photos, 16 col photos on 2 glossy tip-in f. Yellow cloth, black title on cover & spine. Vermilion dj, ill & lett in colors on cover; white spine title; similar ill back cover; resume, vitas of author & illustrator on flaps with price. 25.3 x 17.7 cm(10 x 7 in). Cut. $3.95. LC 67-17066. JSL.

Cont: pastedown f; blank f; 1/2tp; ackn, credits, publ data; tab cont; 17 chs; tab; biblio(p 132, 7 entries); gloss; index; back pastedown.

Elementary general treatise for beginners: properties of gemstones, composition, formation, lapidary treatments, tests, and chapters describing gemstones and a chapter on synthetic gemstones. Summary property table unusually includes information on resistance to wear, practical size of gems, and cost, the last stated in broad ranges. Col illustrations are excellent and other illustrations are very good and germane. The bibliography strangely includes the enormous gemological treatise in Italian by Bignami-Moneta(which see)! Rev *G & G*, 12, 8, 1967/1968, 256-7.

5241. -----Post 1967, re-issue, with modifications, 8°: 142, [1 blank], [1]p; 2 extra photos. Bright red plasticized paper over bds, copying exactly original dj; white cloth inner hinge. P size same. Same LC. JSL.

Cont: "about the book"; 3 blank p; 1/2tp...index; blank p; vitas.

Former pastedowns now used to give resume at the beginning on what corresponds to the front flyleaf; this is followed by a blank leaf required to make the first gathering octavo; former rear flyleaf now bears vitas.

5242.-----1967 Tourmaline. *Lap J*, 21, 2, 1967, 282-91, ill(col); 3, 420-7; 6, 770-5; 7, 844-50.

5243.-----1968 Diamonds. *Lap J*, 22, 1, 1968, 4-18, ill; 2, 284-93; 3, 436-42.

5244.-----1972 A book on gemstones: an introduction. *Lap J*, 26, 3, 1972, 486- 89, to v 27, 4, 1973, 623-37; altogether 11 articles.

5245.-----1980 Gemological update. *Lap J*, 34, 1, 1980, 154-60; 2, 574-78.

5246.-----1983 Heliolite, a transparent, facetable phase of calcic labradorite. *J Gemm*, 18, 6, 1983, 503-14, 9 fig(col), map. Material from near Plush, Oregon: geology, mineralogy, lapidary treatment, optical properties, inclusions, etc.

POUGH, F H, see McNEIL, D S; STRONG, H T

5247. POUGH, F H; BOWMAN, JOHN J; HOKE, C M & LITTLE, JOSEPH D

The | Jewelers' Dictionary | First Edition | The Jewelers' Circular-Keystone | New York, N.Y. [1945]

16°: [2 blank], [6], 272, [4 blank]p; ca 280 fig. Blue, pebbled cloth, gold title in rules on cover & spine. 22 x 14.8 cw(8 5/8 x 5 7/8 in). Cut.

Cont: blank f; tp; publ data; fwd; vitas; text; 2 blank f.

Alphabetical, with brief definitions and numerous small text figures throughout; gemological terms by Pough; horology & engraving by Bowman; precious metals & metallurgy by Hoke; silverware by Little. About one quarter of text devoted to gemological terms.

5248. -----1950, 2nd edit, less Joseph D Little

The | Jewelers' Dictionary | Second Edition | .... [1950]

8°: [6], 230, [36]p; ca 280 fig + 14 line drawings. Blue cloth, gold title on cover with rule; gold spine title. 23.2 x 16.2 cm(9 1/8 x 6 3/8 in). Cut. JSL.

Cont: tp; publ data; fwd; vitas; text; appends.

Completely revised; appendixes now contain cutting styles for gems and illustrations of same(8 pls), drawings of ring-setting designs, ring sizes, silverware data, watch sizes, parts of a watch(5 pls), glossary of horological terms, table of gemstone properties, wgts & measures, and wedding anniversary & birthstone lists. Rev *J Gemm*, 2, 7, 1950, 316-7.

5249. POUGH, F H & HENDERSON, EDWARD P

Brazilianite, a new phosphate mineral. *Amer Min*, 30, 9 & 10, 1945, 572, 11 fig(fig 1 & 2 on tip-in col f). JSL. Gem-quality material from near Conselheira Pena, Minas Gerais, Brazil; col pl depicts rough & cut specimens.

5250. POUGH, F H & ROGERS, T H Experiments in x-ray irradiation of gem stones. *Amer Min*, 32, 31-43, 1947, col pl, 2 fig. Species treated: spodumene, beryl, corundum, tourmaline, quartz, topaz, diamond, spinel, phenakite, apatite, fluorite, opal, scapolite, brazilianite, simpsonite, dioptase, hackmanite, cancrinite, lapis lazuli, zircon, chrysoberyl, and oligoclase.

POULLEN, J F, see BARIAND, P, 1978

5251. POYNDER, MICHAEL(1932-)

The Price Guide to | Jewellery | 3000 B.C. - 1950 A.D. | by Michael Poynder | Antique Collectors' Club | [frontpc caption, 4 lines, in lower left corner tp] [Clopton, Woodbridge, Suffolk: Antique Collectors' Club, 1976]

8°: 385, [3 blank]p; col front pl + 273 "plates"(text photos, one a drawing) of which 42 col; several text fig. Dk maroon, plasticized paper over bds, pale blue endp. Col dj with col photo of jewelry, resume, vita, other club publs. 27.3 x 21.1 cm(10 3/4 x 8 3/8 in). Cut. £ 15.00. ISBN 0 902028 50 2. JSL.

Cont: blank p; front; tp; publ data(with captions to dj ill); ackn; tab cont & ill lists; introd; text; explan of terms; tab wgts & measures; birthstones list; gloss; dealer list; biblio(p 385, 52 entries); 3 blank p.

Large, lavishly illustrated guide to jewelry pieces typical of both type & period, and with remarks on features and prices that may be charged for same in pounds. The wealth of illustration is not apparent from the mere number of plates inasmuch as each plate may have as many as a dozen pieces illustrated. Presentation is chronological after some introductory remarks on the many classes of jewelry that are considered, eg, pieces defined by use, as brooches, ear-rings, etc, also pieces made from specific materials as gemstones and metals. There is a great deal of gemological information incorporated as well as useful data on gemstone sizes, their uses, prices, and prices of unset gems, whether faceted, cabochoned, or carved. Specifically treated gemstones are diamond, ruby, emerald, sapphire, pastes, ivory, coral, jade, pearl, shell, jet, amber, agate, and many others of minor importance. There are also brief comments on lapidary treatments, The author, a professional army officer, became a jeweler in 1960.

5252. PRAGNER, H Riqueza mineral do Estado da Bahia - O diamante. *Revista trimensal do Instituto geographico e historico da Bahia*, 6,[?], p 67-99. Not seen.

PRATT, JOSEPH HYDE (1870-1942)

USA mineralogist/geologist; b Hartford, CT; PhD Sheffield Sch, Yale U 1896; state mineralogist NC 1897-1906; state geologist 1906-24; major US Army, thence to colonel 1917-19; priv consultant after 1924. Obit L J Spencer *Min Mag*, 28, 1947, 215; L J Stuckey, *Amer Min*, 23, 3, 1943, 155-66 with long biblio; Pogg 4, 1189-90.

5253. -----1901 Gems and gem mining in the South. *The Southland*, 1, 1901, 1-5, 67-71, 118-22. Not seen.

5254. -----1901 The occurrence and distribution of corundum in the United States. *USGS Bull* 180, ser A, Econ geol, 11, Wash, DC, 1901. Edgestapled: 98, IIIp; 14 pls, 14 fig. Pale gray print wrap, cover title. 23.1 x 14.5 cm(9 1/8 x 5 3/4 in). Cut. JSL.

Systematically describes deposits: geology, mineralogy, petrography, genesis, prospects & mines, mine workings, commercial recovery & processing, with remarks on gem varieties wherever found and exploited. Special remarks on gem varieties appear on p 38-55 and include the alluvial sapphires of Montana and rubies of North Carolina. Doublep sketch map of USA deposits, tinted, p 46; other pls show mine workings, locality maps, crystal drawings. The first major paper on corundum deposits in the United States. GS 5-731.

5255. -----1906 Rev & enlarged; title change. Corundum and its occurrcnce and distribution in the United States (a revised and enlarged edition of Bulletin No 180). *USGS Bull* 269, Ser A, Econ geol 61, Wash, DC, 1906. 8°: 175, III p; 18 pls, 26 figs.

Expanded, with important additions, including a brief history of corundum in general, its nomenclature, and with a large section on its physical, chemical, and other properties, with special distinctions made between the ordinary and the gem varieties. The section on gem varieties now occupies p 97-116, while considerably more detail is given on the Yogo Gulch, Montana sapphire deposits. Two additional tinted sketch maps, folding, are added, one of occurrences in Montana, and the other on the North Carolina occurrences. GS 6-395.

5256. -----1933 Gems and gem minerals of North Carolina. Amer Min, 18, 4, 1933, 148-59. Brief descriptions of deposits & gemstones: diamonds, spodumene, corundum, beryls, garnet, opal, feldspars, quartz.

PRATT, J H, see JUDD, J W & HIDDEN, W E

5257. PRATT, J H & LEWIS, JOSEPH VOLNEY

North Carolina Geological Survey | J.A.Holmes, State Geologist | [rule] | Volume | I | [rule] | Corundum And The Peridotites | Of Western North Carolina | By | Joseph Hyde Pratt | And | Joseph Volney Lewis | [state seal] | Raleigh | North Carolina | 1905

8°: 464, [2 blank]p; 45 tip-in pls(photos, line drawings, maps in col, fold col geol map); 35 fig; tabs. Pls XXXV-XLV inserted between p 429-441. Red cloth, gold lett cover & spine. 25.8 x 18 cm(10 1/8 x 7 in). Cut. Also in thick, gray paper print wrap. JSL. GS 13-2.

North Carolina corundum deposits, prospects & mines: geology, mineralogy, mining methods, processing ore(for abrasive purposes), gem quality material, and with a chapter on chromite and other economic minerals occurring in the corundiferous rocks. Ch 6, p 177-90, contains specific information on gem corundum, while Chs 7 & 8 contain locality information on corundum occurrences elsewhere in the Appalachian region in addition to the North Carolina deposits, and also in Montana.

PRAUN, P v, see MURR, C T

5258. PREMIER (TRANSVAAL) DIAMOND MINING COMPANY, LIMITED An historical review of the formation and development of the company, and a description of present-day mining methods at its mine. Cullinan, Transvaal. Printed May 1960 By Swan Press Limited, Johannesburg[from back wrap]. Centerstapled: [28]p includ wraps; 13 col photos, 10 b&w photos & sketches(part col). 24 x 23 cm(9 1/2 x 9 in). Cut. Topics: the mine, mining methods, diamond recovery, discovery of the Cullinan diamond, production figs, living conditions, native workmen, their training, housing & recreation.

5259. -----1965 edit. Premier (Transvaal) Diamond Mining Company, Limited. Cullinan, Transvaal, South Africa. From back wrap: "Printed June, 1965 By Swan Press Limited." Centerstapled: [32]p includ wraps; 14 col photos, 7 photos & diagrs (part col). 24.2 x 22.7 cm(9 1/2 x 9 in). Cut. Much the same content but many different illustrations.

5260. PRENDEVILLE, JAMES

An | Historical And Descriptive Account | Of The Famous | Collection Of Antique Gems | Possessed By The Late | Prince Poniatowski. | Accompanied By | Poetical Illustrations Of The Subjects, From Classical Authors, | With An | Essay on Ancient Gems and Gem-engraving. | By James Prendeville, A.B. | Editor Of "Livy," "Paradise Lost," &c. | And | The Late Dr.Maginn. | [rule] | London: | Published For The Proprietor By | Henry Graves And Co. Pall Mall. | [rule] | MDCCCXLI. [1841]

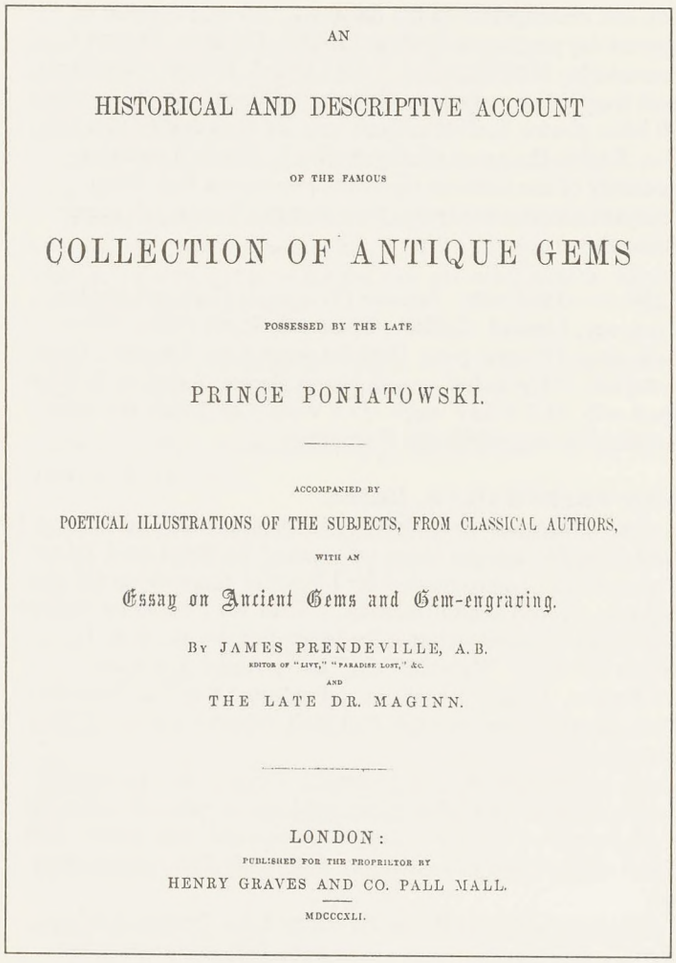
4°: viii, xxiv, xxxiv, [1], [1 blank], 775, [1 blank]p. Grayish purple cloth, black leather spine, gold title & rules on spine. 28 x 22.2 cm(11 x 8 3/4 in). Teg; fe untrimmed. Pale yellow, dull finish endp. A private binding(?). JSL. Only 70(?) copies printed.

Cont: tp; dedic(to Prince Albert by John Tyrrell); pref by Tyrrell; addenda & corrigenda to parts 1-3; introd essay by Prendeville; cat tp; cat in 5 pts; blank p.

This appears to be the first large treatment in English upon the celebrated engraved gems in the Poniatowski collection; it was issued privately by the new owner of the collection, Mr John Tyrrell. In his preface, Tyrrell states that this work "thus... becomes a compilation - of which there is no example in our language - of the most beautiful passages in the best of ancient authors," here referring to the poetical insertions which actually comprise the major portion of text, the descriptive matter for the gems themselves, numbering 1208 examples, being extremely brief. The extracts from classical authors were deemed by Tyrrell to be in some way illustrative of the subjects engraved upon the gems. The essay by Prendeville, comprising 34 pages, is a general survey of the engraver's art, its development, the uses of engraved gems, and other topics. The catalog is divided into five classes: 1 higher divinities, 2 demigods, 3 fabulous & historic history, 4 Trojan War, and 5 gems pertaining to events and figures in the Odyssey and the Aeneid, but also including a miscellany of other kinds of gems. This arrangement, states Tyrrell, is based on the *Catalogue des pierres gravées*, which see under PONIATOWSKI. The present work appears to be very rare.

5261. -----1841

Explanatory Catalogue | Of The | Proof-Impressions | Of | The Antique Gems | Possessed By The Late | Prince Poniatowski, | And Now | In The Possession Of John Tyrrell, Esq. |



AN

HISTORICAL AND DESCRIPTIVE ACCOUNT

OF THE FAMOUS

COLLECTION OF ANTIQUE GEMS

POSSESSED BY THE LATE

PRINCE PONIATOWSKI.

ACCOMPANIED BY

POETICAL ILLUSTRATIONS OF THE SUBJECTS, FROM CLASSICAL AUTHORS,

WITH AN

Essay on Ancient Gems and Gem-engraving.

By JAMES PRENDEVILLE, A.B.
EDITOR OF "LIVY," "PARADISE LOST," &c.
AND
THE LATE DR. MAGINN.

LONDON:
PUBLISHED FOR THE PROPRIETOR BY
HENRY GRAVES AND CO. PALL MALL.
MDCCCXLI.

5260. First description of the celebrated collection of engraved gems formed by Prince Poniatowski, many of which were later shown to be modern gems masquerading as antique

Ancient Gems and Gem-engraving. | By James Prendeville, A.B, | Editor Of "Livy," "Paradise Lost," &c. | [rule] | London: | Published For The Proprietor By | Henry Graves And Co. Pall Mall. | [rule] | MDCCCXLI.

4°: viii, xxxiv, [1], [1 blank], 126, x, p. Purplish-red cloth, gold title on cover with statement "Class.I." Pale yellow, dull finish endp, 27.3 x 21.6 cm(10 3/4 x 8 1/2 in). Aeg. JSL.

Cont: tp; print data; dedic; pref; essay; cat tp; cat; addenda & corrigenda.

A part-catalog of the collection, struck off from the same plates except for the reset title and dedication, although the latter remains as before Tyrrell's dedication to Prince Albert. Whether or not more of these part-catalogs were issued I have not been able to discover. A 4-pages leaflet, entitled "Proof Impressions of the Great Series of Engraved Gems Possessed by the Late Prince Stanislaus Poniatowski" was published in London in 1842 or soon thereafter; it provides a brief preface extolling the beauties of the collection, with the rest giving press and reviewer notices dated 1841 and 1842, in which it is indicated that the above catalog had been issued and that there were to be five such catalogs altogether to correspond with the five classes of paste impressions. The notice of sale of sets reads "Price, in plain Deal Cabinets, including the Volume, each Series £ 4 4 0 [and] In Mahogany Cabinets 5 5 O." According to S Reinach, *Pierres gravées*, 1895, p 154 footnote, the above work was also issued complete, in one volume of XXXIV, 775 p., "not accompanied by illustrations."

An extended notice of Poniatowski's collection appears in C W King's *Handbook of Engraved Gems*, 2nd edit, 1885, 193-7, who calls it "the most audacious fabrication to be met with in the history of antique art." The circumstances are these. When the Prince inherited the collection of 154 engraved gems from his uncle, Stanislas, the last King of Poland, all were deemed to be masterpieces of workmanship and unquestioned antiquity, according to King. However, for reasons that remain unclear, Poniatowski commissioned many more gems, generally large and fine, from Italian gem engravers of the first rank, inserting these into the collection with false signatures on them of ancient engravers, and then claiming them to be genuine antiques. After discussing the reasons for forgery, King goes on to say about Tyrrell's photographic catalog, decribed below, that "one cannot but be amused at the blind faith of the parties, who (1853) took the pains to publish an erudite description, at an enormous cost, of these now discredited forgeries, illustrated with elaborately executed photographs; and all of this, as appears from the preface, in the full persuasion that the gems are the undoubted works of the time-honoured artists whose names figure so impudently upon them." William Maginn(1793-1842), mentioned in the title but his contribution to the work is not specified.

5262. -----1857-1859

Photographic Facsimiles | Of | The Antique Gems | Formerly Possessed By The Late | Prince Poniatowski, | Accompanied By | A Description And Poetical Illustrations Of Each Subject, | Carefully Selected From Classical Authors, | Together With An | Essay on Ancient Gems and Gem=Engraving. | By James Prendeville, B.A. | Editor of "Livy," "Paradise Lost," Etc. | Assisted By The Late Dr.Maginn. | Photographs By George L.Collis, 68, Cornhill. | [rule] | First Series [-Second Series]. | London: | Published By Longman, Brown, Green, Longmans, And Roberts, | Paternoster Row. | 1857 [-59].

In 2 vols, but I have not seen the first, and describe only the 2nd vol.

Vol 2: 4°: [3], [1 blank]p + p [127], 128-261 + [1 blank]p + p[xi], xii-xxi + [1 blank]p; 227 actual cut-out photo(albumin) prints mounted in gold frames on 111 bound-in f of thick, very pale tan paper; each pl is bordered with an orn gold frame and fitted with tissue guard. Dk green moire cloth, large gold vase on covers, red morocco spine & corners, 5 raised bands, gilt rules, title on spine. Pale tan endp. 28 x 21.2 cm(11 x 8 3/8 in). Aeg. According to King, *Antique Gems and Rings*, 1, 467, only 75 copies of the set were made. LC 6-20412. JSL.

Cont: tp; dedic; text; addenda & corrigenda; blank p.

This volume contains only the title & dedication leaves followed by the catalog to Class II, Demi-gods, nos 244-470. The text is identical to that for the same class in the large work of 1841 described above, in fact it appears to be printed from the same type. The remarkable feature is of course the numerous small, carefully-cut and mounted actual photographic prints, now all of uniform brownish hue, probably printed from a very early kind of collodion negative plate, a process that appeared in England in the early 1850's and became widely used. The

photographs were made of the gem casts and are mounted one to six per text leaf. This appears to be the first application of actual photographic prints to the illustration of engraved gems and precedes the similar use by Archibald Billing in his *Science of Gems*, 1867. In this regard, see the extended remarks of Reinach, *Pierres gravées*, 1895, 151-5, but particularly the footnotes on p 154 which concern the several Prendeville publications just described. Marlborough Rare Books, London, cat 113, 1985, no 125, mentions that this work appears in Gernsheim, *Incunabula* [of photographic works], 110. See also the Zazoffs, *Gemmensammler*, 1983, p 192-3, "first use of photographs of engraved gems, even if only of the gypsum casts."

5263. PRESSMAR, EMMA(1909-)

Emma Pressmar | Indische | Ringe | Insel Verlag [Frankfurt am Main, "erste Auflage 1982"]

8°: [2 blank], 105, [3], [2 blank]p; 55 ill(line drawings, col & b&w photos). Black paper over bds, white spine title. Col dj with flap vita & resume, author portr. 23.9 x 16.4 cm(9 3/8 x 6 1/2 in). Cut. JSL.

Cont: blank f; logo; tp; publ data; dedic; quot; tab cont; fwd; introd; text; concl; refs & notes(p 103-6, 74 entries); index to ill; blank f.

Pressmar, head of the Prehistoric Division, Heimatmuseum, Neu-Ulm, Germany, has prepared the first substantial monograph on the rings of India. While these are largely used for ornament, they also embody superstitious and religious symbolism and commonly serve as amulets and talismans, or symbols of ceremony. The first several pages provide most information on such lore. Several tables show astrological relationships for the gemstones that may be employed in the rings. An attractive, handsomely executed work.

5264. PREUSSEN. BERNSTEIN Von dem Bornstein-Handel in Preussen von Ankunft der Creuz-Herren. *Preussische Sammlung*, 2, 1748, 133-75, also Von dem Bornstein-rechte in Preussen vor A.1454, ibid, 497-519. Not seen, from G R v Bock, 170.

5265. PREUSSISCHE BERGWERKS- UND HÜTTEN-AKTIENGESELLSCHAFT

Kurze Naturgeschichte | des Bernsteins. | [logo] | [triple rule] | Dritte Auflage | [triple rule] | Preussische Bergwerks- und Hütten- Aktiengesellschaft | Zweigniederlassung Bernsteinwerke Königsberg i. Pr. | 1930

Centerstapled: 15, [1]p. Thick pale yellow wrap, cover title; print data back cover. 21 x 15.3 cm(8 1/4 x 6 in). Cut. JSL.

Brief descriptions of 96 amber specimens, the amber ground, the matrix, and ambers themselves, as obtainable from the company but the price list must be requested. Rev K Andrée, *Bernstein Forschungen*, 2, 1931, 193. First & second editions not seen.

5266. -----1930 Der Bernstein und seine Wirtschaft. 4.Auflage. Herausgegeben von der Preussischen Bergwerks- und Hütten-Aktiengesellschaft, Zweigniederlassung Bernsteinwerke Königsberg Pr., 1930, 26 p, 7 ill. [Price 0.50 RM]. In 6 short chapters: history of amber, properties, origin and occurrences, mining, distribution, fabrication & imitations; list of 16 references. Rev by K Andrée *Bernst Forsch* 2, 1931, 193-4. Not seen.

5267. -----1933, 5.Auflage Nearly the same text but with a noteworthy addition concerning the electrical properties of pressed amber as compared to such insulating materials as porcelain, quartz, and bakelite. A short section treats imitations and their recognition. Rev by K Andrée, ibid, 4, 1939, 124.

5268. -----1936. 6.Auflage

Der Bernstein | Und seine Wirtschaft | [logo] | 6.Auflage | Preussische Bergwerks= und Hütten=Aktiengesellschaft | Zweigniederlassung | Bernsteinwerke Königsberg i. Pr. | 1936

Centerstapled: 38, [2 blank]p; production flow chart; 14 ill(photos, map, diagrs). Pale tan, thick wraps, map of Königsberg region on cover in brown; printer on back cover, 21 x 14.8 cm(8 1/4 x 5 3/4 in). Cut. 0.50 RM.

Cont: tp; price data for another pamphlet on the nat hist of amber; flow sheet; text; biblio(p 37-8, 18 entries); blank f.

Text in 7 chapters: historical, mining & processing, lapidary treatment, production statistics, chemical & physical properties of natural, pressed, and "melted" ambers, laws governing ownership & exploitation of deposits, and important dates in the history of amber in Germany(a chronology from AD 1264 to 1934).

5269. PRICE, EUGENIA

Share | My | Pleasant | Stones | Every Day For A Year | Eugenia Price | Zondervan Publishing House | Grand Rapids, Michigan. [1957]

16°: 384 p. Cloth: purple over spine, pale lavender on covers, the latter with gold gems sprinkled on front; gold spine lett. Col dj, resume, vita. 20 x 13.5 cm(8 x 5 3/8 in). $3.00. JSL.

P [2]: "first edition - 10,000, second edition - 5000 [copies]." The "second edition" is merely a reprinting.

Cont: tp; publ data; dedic; tab cont; pref; 6 chs(each covers a 2 mos period); ackn; Scriptures index.

Extracts from the Scriptures, one for each day, with commentaries, the whole tenuously based on the fancied resemblance of these "scriptural" gems to real gems. Tedious.

PRICE, FREDERICK GEORGE HILTON(1842-1909)

Brit banker, amateur archeologist; b London; entered father's banking business 1860 but actually devoted most of life to archeological studies and participations in many field expeditions as well as in the affairs of archeological societies, eg, Pres Egypt Explor Fund; amassed splendid coll Egyptian antiquities which realized ca £ 12,000 in 1911 auction. DNB.

5270. -----1897

A Catalogue | Of The | Egyptian | Antiquities | In The Possession Of | F.G.Hilton Price, Dir. S.A. | [rule] | With Illustrations. | [rule] | London: | Bernard Quaritch, 15, Piccadilly. | 1897.

4°: viii, 480 p; tip-in col litho front pl; 13 other tip-in pls(5 photo, 1 actual photo, 7 line-drawings); ca 275 text fig exclusive of many small hieratic figs. Pale tan cloth, gold title & Egyptian object on cover; gold lett spine. 30.4 x 23.8 cm(12 x 9 3/8 in). Teg. Cut. JSL.

Cont: front; tp; print data; pref; tab cont; append to tab cont; 3 chs; append; index.

Lists and describes ca 4,000 objects, of which many are scarabs, jewels, amulets, stone vases, and other objects made from gemstones and ornamental stone materials. The actual

photographic print, facing p 116, is of gold jewelry, and has now altered to a strong silvery luster.

5271. -----1908; supplement. Not seen.

PRICE, W E, see OSTRANDER, C W

5272. PŘISTOUPIL, V

Dr.V.Přistoupil: | Kapitoly | O Drahokamech [Turnov: Výzkumný Ústav Pro Drahokamny, 1958 (?)]

8°: 38, [1 blank], [1]p. Blue wrap, cover title. 21.4 x 15.2 cm(8 1/2 x 6 in). Uncut. General remarks on gemstones.

5273. PRITCHER, ARNOLD

Guide to | Gems And Minerals | [red orn rule] | By Arnold Pritcher | [col photo: faceted gems] [New York:International Gem Corporation, nd, ca 1965]

Centerstapled: [3], 37 p. White wrap, col photos both covers; title on front cover enclosed in red scrolls, red scrolls & lett on back cover. 18.1 x 8.9 cm(7 1/8 x 3 1/2 in). Cut. JSL.

Cont: index; introd; 10 chs(the last biblio & prices of books).

Brief facts about rocks, minerals, testing gemstones with a kit sold by the company and to which this booklet belongs, collecting gemstones in the USA, how to find them, lapidary work, curious lore, recommended books.

PROCES VERBAL DES EXPERIENCES, etc, see ROZIER, F

PROKOPCHUK, B I, see ROZHKOV, I S, et al, 1967

5274. PROKOPOWICZ, OTTO

Schwahn-Prokopowicz | Edelsteinkunde | Neu bearbeitet und erweitert | Von | Otto Prokopowicz | Mit 54 Abbildungen und 4 Farbtafeln | 1955 | VEB Carl Marhold Verlag · Halle(Saale)

8°: 223, [1 blank]p; 4 col pls on 2 glossy tip-in f at end; 54 figs (photos & line drawings). Black, unfin cloth, white crystals on cover with orange-red lett on spine. Pale, tan, coarse, ribbed endp. 20.2 x 14 cm (8 x 5 1/2 in). Cut. Te stained dull orange. Red marker ribbon. JSL.

Cont: 1/2tp; tp; puhl data; fwd; tab cont; text in 2 parts; gloss diamond trade; index; biblio(p 223, 14 entries); blank p; pls.

In the foreword, the author states that the publisher asked him to produce a new edition of Schwahn's *Praktischen Edelsteinkunde*, which see, but he concluded that complete reworking of the text would be necessary. Comparing the present text with that of Schwahn it is readily apparent that little remains of the original and that actually this is a new work rather than a revision. Produced in the German Democratic Republic, the text reflects the tendency of writers in Communist regimes to delve deeply into scientific matters as applicable to gemology, and suppress what seems to them frivolous or superstitious. Consequently, the first general part is considerably more technical than found in Schwahn while the descriptive portions emphasize technical aspects also and are illustrated with many photographs and crystal drawings supplied by Prokopowicz, with many borrowed from A E Fersman's *Verständliche Mineralogie*. The color plates are the same as in Schwahn. On the whole, the work is considerably improved and more valuable.

PROSKEY, DAVID & PIER, G C, see DRAPER, MARY ANNA

5274A. PROSKOURIAKOFF TATIANA

Jades From The Cenote Of Sacrifice | Chichen Itza, Yucatan | Tatiana Proskouriakoff | Peabody Museum Of Archaeology And Ethnology. Harvard University | Cambridge, Massachusetts, 1974

"Memoirs of the Peabody Museum... Volume 10, No. 1."

8°: xv, [1 blank], [1], [1 blank], 217, [3 blank]p; 4 col pls on both sides of double-f glossy wrap-around f; caption f to Pls I-II conjugate with text tp f hut not includ in pag; 86 photo and line-drawing pls; 15 line-drawings in text. Black, glossy wrap, white & green lett & green col photo front cover; white & green lett spine. 30.4 x 22.8 cm(12 x 9 in). Cut. LC 74-77555; ISBN 0-87365-682-2; $40 in 1988. JSL.

Cont: 1/2tp; 2 photos front; tp; publ data; dedic; fwd; pref; tab cont; ill list; text tp; text; ref tp; refs(p 2;5-7, 66 entries); blank f.

After nearly seventy years from the time these objects were recovered this is the first published study of same. Brief historical comments in Foreword and Preface. The text classifies objects according to shapes, uses, types of decoration, etc, supplemented by hundreds of photographs and line drawings, the latter, delicately and skilfully prepared, draw my unstinting praise. In the text portion on carvings there are brief discussions of types of jadeite found and possible in-situ sources, but not resolving much of this continuing problem, also a fine discussion of techniques and styles of carving. The color plates indicate that some of the jadeite occurred in the prized "imperial green" hue.

5275. PROTESCU, O Étude géologique et paléobiologique de l'ambre roumain; les inclusions organiques de l'ambre de Bužau;première Partie. *Bull Soc roumaine géol*, Bucharesti, 3, 1937, 65-110. Briefly reviews literature on Romanian ambers for which there are 300 known localities, gives some details on the geology and paleontology, exploitation methods, production. Also some amber insects are described. Bibliography. Not seen; from BN(NH) cat card.

PRZIBRAM, KARL(1878-)

Austrian physicist; b Vienna, stud there and in Graz, grad 1901; stud under J J Thomson in Cavendish Lab, Cambridge 1902-3; returned to Vienna 1905 to Inst for Radium Investigation to 1920; prof extraord 1927; dismissed by Nazis in 1938; emigrated to Belgium 1940; 1946 returned to Vienna as head Phys Inst of Vienna U; prof emeritus 1951. Pogg 6, 2089.

5276.-----1953

Verfärbung und Lumineszenz | Beiträge zur Mineralphysik | Von | Dr. Karl Przibram | emer.o. Professor für Physik an der Universität Wien | Mit 69 Textabbildungen | [logo] | Wien | Springer=Verlag | 1953

8°: XII, [1], [1 blank], 275, [1]p; 69 fig(largely photos). Black cloth, gold titles on cover & spine, the latter with logo. Tan endp. Tan dj, resume, advert. 22.6 x 15.5 cm(8 7/8 x 6 1/8 in). Cut. ÖS 210.-; DM 34.70; sFr 35.50; US $8.25. JSL. LC 54-26341.

Cont: tp; publ data; quot & fwd; tab cont; ill list; tabs list; 12 chs; biblio(p 235-72, over 929 entries); index; press note; loose errata.

Highly important recent work describing the coloration and luminescence phenomena appearing in natural and synthetic crystals after exposure to ionizing radiation. Provides a useful survey of previous work in the field, generally taking place from about the turn of the century to the present, but also indicating earlier works in the extremely full list of references. The first part treats the apparatus for the production and investigation of color induced by electromagnetic radiations as visible light, infra-red, ultra-violet, x-rays, gamma rays, and ionizing particles, and the means used to measure color. This is followed by experimental results on alkali halides and other compounds, descriptions of photoelectric phenomena, the theory of glass coloration, coloration by colloidal particles, and luminescence and the means of its production. The second part describes and discusses the causes of color in minerals, with much on halides but also taking up oxides, sulfides, carbonates, sulfates, mitrates and phosphates, silicates, diamond, and causes of pleochroic haloes. Gem varieties of quartz are included in the oxides while other gemstones treated are zircon, corundum, sphalerite, spodumene, sodalite, topaz, feldspar, beryl and tourmaline. Modern works that carry on the investigations into color include those of great value by K Nassau, which see.

5277. -----1956, Engl transl

Irradiation Colours | and Luminescence | A Contribution To Mineral Physics | by | Dr.Karl Przibram | Emeritus Professor of Physics at the University | of Vienna | Translated and revised in collaboration | with the author by | John Espenett Caffyn | Lecturer in Physics | Durham Colleges in the University of Durham | London | Pergamon Press Limited | 1956

Pergamon Science Series, Physics, Volume I.

8°: xiv, 332, [2 blank]p; 73 fig. Dk blue cloth, gilt lett & logo on spine. Col dj, title in orange panel on cover; resume, advert. 21.7 x 14 cm(8 1/2 x 5 1/2 in). Cut. 63 s net. JSL. LC A57-1291.

Cont: 1/2tp; tp; publ data; tab cont; transl pref; quot & original pref; text; biblio(p 267-315, ca 1400 entries); index; blank p.

Straightforward translation for the most part; occasional revisions inserted, some at the instance of Przibram; ca 500 additional refs supplied by translator. Rev *Colonial Geol and Mineral Resources*, London, 6, 3, 1957, 352-3; *Min Rec*, 2, 4, 1971, 148, 170.

5278. PSCHICHHOLZ, DIETER Tabellen zur Edelstein-Bestimmung. Rühle-Diebener-Verlag GmbH + Co.Kg, Stuttgart, 1976. DM 38.20. Not seen.

5279. -----1976, Engl transl

Tabellen zur Edelstein-Bestimmung / D.Pschichholz FGA | Schedule of Ornamental And Gem Stones / D.Pschichholz FGA

P[ii]: "1.Auflage 1976 | Copyright by Rühle-Diebener-Verlag GmbH + Co.KG, 7000 Stuttgart 70"

4-ring looseleaf notebook, bound in blue leather-like plastic, title on cover & spine in yellow. 31.3 x 14 cm(12 1/4 x 5 1/2 in). Containing 30 f, paginated decimally from 1 to 5, plus 2 thick paper f bearing 24 colored absorption spectra. P size 29.7 x 10.5 cm(11 3/4 x 4 1/8 in). JSL. With loose postcards in Engl & Ger for subscription to the first supplements, to be delivered twice annually, at such cost as determined by the publisher.

Cont: tp leaf; dedic f; pref; testing suggestions; use of tab; summ tab optical prop; refs(p 4.8, 11 entries; main tab; 2 f of spectra.

Essentially two tables, one of RI as entering argument supposedly facilitating location of an unknown gemstone in the main table. Extremely brief preliminary remarks on identification procedures that are useless except to the reader already thoroughly conversant with such procedures. The main table, well-arranged, presents basic information on many rare or uncommon gemstones as well as those that are better known: name(s), relative rarity, colors, optical sign, physical properties, dispersion, pleochroism, crystal system, observations under magnification, UV, chemical composition. Only possible advantage of this work over others dealing with same problem is the handy nature of the notebook. The subscription scheme suggests that copies of this work may appear in the secondhand market in many stages of completeness. Rev *J Gemm*, 15, 4, 1976, 219.

5280. -----1979

Dieter Pschichholz FGA | Diamant | Graduierung | Gewinnung | Kauf | Rühle-Diebener-Verlag Stuttgart [1979]

8°: 152 p; 2 sketch maps, ca 85 photos, 9 col photos, several dozen line drawings. Glossy paper(col photo) over bds; spine title. 20.9 x 14.8 cm(8 1/4 x 5 3/4 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; fwd; text; biblio(p 141-2, 26 entries); append; ackn.

How to examine cut diamonds to determine freedom from flaws or other defects, with remarks on inclusion types and their effect upon value, color and its classification, cut, etc. There is also a table of diamond-like gem stones. Introductory remarks on history of diamond, diamond as a mineral, geology of deposits, occurrences, mining, cutting styles, nomenclature, and the diamond trade. Clearly written, helpful, good illustrations, especially helpful being those of inclusions and features of cut stones. Rev *J Gemm*, 20, 1, 1986, 58.

PSELLUS, or PSELLOS, MICHAEL CONSTANTINE(?1017-1078 or 1079)

B at Nicomedia(Izmit), Turkey; educ in Athens; stud law in Constantinople; also stud philosophy, theology, maths, medicine; rose to positions of political prominence; phil prof Acad of Constantinople under Constantine IX; wrote at least 10 major works. *Biogr Univ*, 36, 184-6; *World Who's Who Sci*, 1381. He is sometimes called the "Younger" to distinguish him from a philosopher of same name who lived ca 870; Pogg 2, 541.

5281. -----1615 De lapidum virtutibus, Phil. Jac. Maussacus primus vulgavit, latine vertit et emendavit; graece et latine. Tolosae[Toulouse], 1615. 8°. Not seen. Published & edited by Philippe Jacques de Maussac(?1590-1650), learned scholar of Greek antiquity, critic, writer(*Biogr Univ*, 27, 575-6).

C W King, *The Natural History of Precious Stones and of the Precious Metals*, 1867, p 13, notes that Psellus was a contemporary of Marbod, and was reputed to be "the most learned Greek of the eleventh century," and that "amongst his numerous works exists a brief tractate 'On the Virtues of Stones,' describing the uses in medicine of the Diamond, Haematite, Amethyst, Carbuncle, Aeschates, Beryl, Galactites, Amber, Jasper, Idaeus-Dactylus, Crystal, Lychnites, Magnet, Onyx, Caprinus, Sardonyx, Selenites, Emerald, Hyacinthus, Chrysolithus, Chryselectrus, Chrysoprasus, Chalazius, Topazion." However, King goes on to

say, Psellus' notices "are not worth much as regards the natural history of the subject, of which he evidently knew nothing, and, as evidently, regarded as beneath the consideration of a philosopher[!]," which, one might add, has not changed much in the intervening centuries. He then goes on to cite several examples of naive credulity in ancient myths concerning powers of stones as recorded unquestioningly by Psellus, but again disregarding himself the general acceptance of such miraculous powers in those times even by learned men.

5282. -----1618 Tolosae. Cum notis Maussaci et J S Bernardi. Not seen.

5283. -----1745

Psellus | De | Lapidum Virtutibus | Graece Ac Latine | Cum Notis | Phil.Jac.Maussaci | Et |Joan.Steph.Bernard. | Accedit Fragmentum de Colore Sanguinis ex Do- | ctrina Medica Persarum nunc primum ex Codice | MS. Bibliothecae Lugduno Batavae editum. | [baroque style engrav vignette] | Lugduni Batavorum | Apud Philippum Bonk; | MDCCXLV. [Leyden, 1745]

8°: [12], 47, [4], [1 blank]p; *^{6} A-C^8, Lambda^2. Ch orns. 21.7 x 14.0 cm(8 1/2 x 5 1/2 in). Uncut. USGS Kunz Coll, GS 34-342; JSL.

Cont: tp; dedics; Bernard pref; text tp in Greek & Latin; text in Greek verso, Latin recto to p 39; fragment on color of blood; print data; index of authors; index of stones; blank p.

About half is taken up by footnotes of Maussac. According to *Biogr Univ*, 36, 185, this edition, is "une seconde, plus correcte," augmented by a contribution by John Stephen Bernard on the color of blood as explained by Persian doctors of medicine. Hirsch, 4, 635.

5284. -----1898 A Greek version of the lapidary appears in De Mély & Ruelle's *Les Lapidaires de l'Antiquité*, 3, fasc 1, 1898, p 201-4, which was taken from MS No 1630, Bibliothèque Nationale, Paris, of the 14th century. No translation is provided. They also note, p XVI, that the first printed edition of Psellus lapidary was edited by Maussac, as stated above, and reprinted by Etienne Bernard in Leyden in 1745. Psellus's lapidary also appears in Migne's *Patrologiae grecque latine*, 122, cols 887 ff, and finally is repeated by Ideler in his *Recueil physica et medici graeci minores*, not seen.

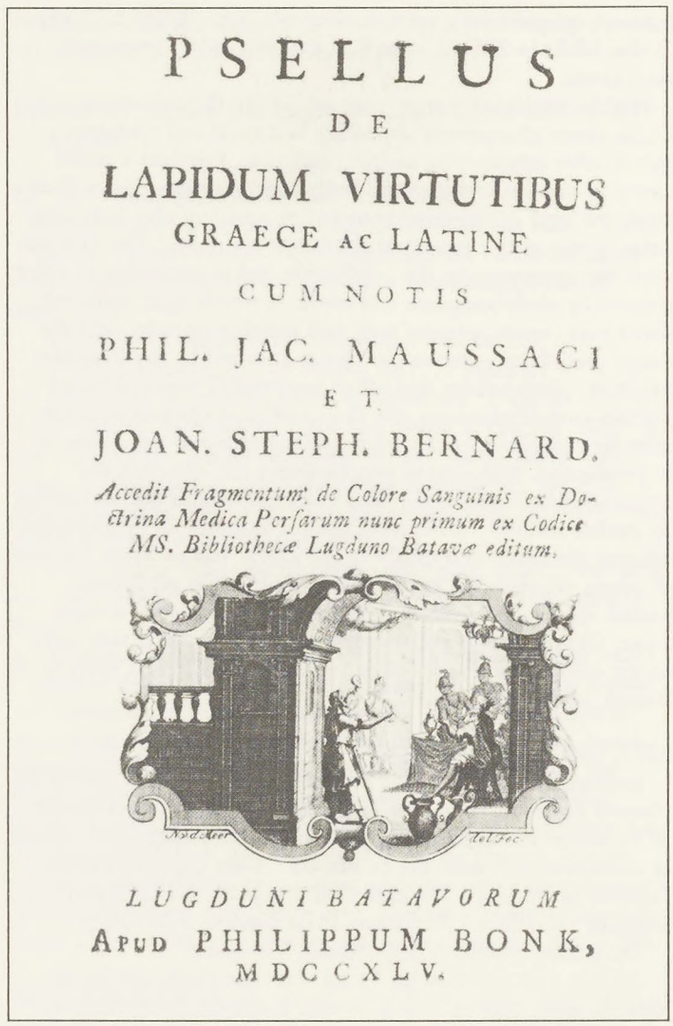
5285. PSERHOFER, J

Verzeichniss | der in | Schmuck- und Ziergegenständen | gefassten | Gemmen | (Cameen und Intaglien) | im Besitze von | J.Pserhofer | In Wien. | [orn rule] | Wien 1888. | Verlag von J.Pserhofer.- Druck von R.Spies & Co.

8°: VI, [2], 32 p. Front actual photo print, cemented to stiff paper, shows a silver platter set with 45 cameos; 8 text drawings. Gray-green wrap, title in orn frame on cover. 22.2 x 14.2 cm(8 3/4 x 5 1/2 in). Cut. USGS Kunz Coll.

Cont: front; tp; introd; text tp; catalog. Briefly describes the engraved gems set in various jewels and objects of ornament that belong to the author.

5286. PSEUDO DIOSCORIDES A Greek version, without translation, of a lapidary attributed to Pseudo Dioscorides is provided by De Mély & Ruelle in their *Les Lapidaires de l'Antiquité et du Moyen Age*, 2, fasc 1, 1898, p 179-83, in which 37


PSELLUS
DE
LAPIDUM VIRTUTIBUS
GRAECE AC LATINE
CUM NOTIS
PHIL. JAC. MAUSSACI
ET
JOAN. STEPH. BERNARD.
Accedit Fragmentum de Colore Sanguinis ex Doctrina Medica Persarum nunc primum ex Codice MS. Bibliothecæ Lugduno Batavæ editum.
LUGDUNI BATAVORUM
APUD PHILIPPUM BONK,
MDCCXLV.

5283. A lapidary composed by a contemporary of Marbod, condemned by C W King as being "not worth much as regards the natural history of the subject"

stones, some of which are gemstones, are very briefly described: hematite, geode, jet, amber, jasper, magnetite, pyrite, selenite, sapphire and emerald. Source of MS is explained in their preface, p XIV-XV.

5287. PSEUDO HIPPOCRATES A Greek version, without translation, of a lapidary attributed to Pseudo Hippocrates is also provided by De Mély & Ruelle, ibid, 2, fasc 1, p 185-90. In the preface, p XV, they note that this attribution is "purely fiction" and that the source is MS 2316 in the Bibliothèque Nationale, Paris, the only one they believe that contains it, and that the writing is 15th century. Briefly described are 41 stones, among the recognizable being agate, hematite, sapphire, garnet, diamond, emerald, chalcedony, topaz, onyx, rock crystal, jasper, magnetite, jet.

5288. PUJOL, JOSÉ FIDEL Estudio biologico sobre la ostra *Avicula margaritiferus*. (Concha de perla). *Soc Mex Geograf y Estadistica Bol* 3, ser 2, Mexico City, 1871, p 119-39. JSL.

Brief introduction, text in 3 parts: anatomy and biological functioning of the pearl oyster in the Gulf of California, Mexico; physical & chemical properties of the pearl and discussion of origin of pearls; systems & equipments used in fishing and with data on commerce and production.

PUJOULX, JEAN-BAPTISTE(1762-1821)

Fr literature & drama writer. Pogg 2, 544.

5289. -----1813

Minéralogie | A L'Usage | Des Gens Du Monde, | Contenant les Caractères qui servent à reconnaître les | Minéraux et à les distinguer les uns des autres; l'indi- | cation de ceux qui sont connus des Minéralogistes, et | des descriptions détaillées des Pierres précieuses et autres, | des Métaux, des Sels, des Bitumes, et généralement de | tous les Minéraux qui sont employés dans l'économie | domestique, les arts et le luxe; avec des rapprochemens | entre les noms donnés par les Naturalistes, et ceux que | les Gens du Monde, Les Artistes, les Lapidaires, Joail- |liers, et Bijoutiers, leur ont consacrés. | Ouvrage qui peut être utile aux jennes gens, en leur donnant des | connaissances usuelles, et leur inspirant le goût d'études minéra- | logiques plus approfondies, | Avec dix planches en taille-douce. | Par J.B. Pujoulx. | [taper rule] | A Paris, | Chez Madame V^e^. Lepetit, Libraire, rue Pavée-Saint- | André-des Arcs, n°.2. | [rule] | 1813.

8°: [3], 533, [1 blank]p; 10 engrav copper pls, bound-in, Pl I is front. 20 x 13 cm(7 7/8 x 5 1/8 in). Cut. JSL.

Cont: 1/2tp; note on pl positions & errata; front; tp; text in 2 pts; errata; index of mineral names; blank p.

A comprehensive economic geology in which much space is devoted to gemstones. The first part, with many subdivisions, provides several introductory sections including one on noted mineral collections, followed by sections on mineral properties, among them color, to which several pages are devoted to listings of colored gemstones. Other sections briefly note chemical properties and the classification & nomenclature of minerals. Under "Pierres dures" in the descriptive part appear most of the better known gemstones with much space given to the many varieties of quartz. Topaz is treated uniquely on pages 388-93, while diamond, jet, and amber appear under the "Combustibles" in allusion to their carbonaceous compositions. The engraved plates are carefully drawn and executed and display numerous figures of agates, moss agates, and other figured stones and cut gems. Although Blake, *Dictionary of Biogr*, 1878, calls Pujoulx a "mediocre litterateur," the celebrated R J Haüy thought highly of him in his *Traité des pierres précieuses*, 1817, p IX, calling the work "l'excellent ouvrage," by the "estimable auteur, M.Pujoulx." Agassiz, IV, 136, giving date of 1812.

5290. PULLEN, H W

Handbook | Of | Ancient Roman Marbles | Or | A History And Description Of | All Ancient Columns And | Surface Marbles Still Existing | In Rome, With A List Of The | Buildings In Which They Are | Found | By The Rev. H.W. Pullen, M.A. | Formerly Chaplain Of H.M. Ship | "Alert," Author Of "The Fight At | Dame Europa's School," Etc. | London | John Murray, Albemarle Street | 1894

8°: [2 blank], [3], [1 blank], 205, [3 blank]p. Gray cloth, gold cover & spine titles. V pale gray endp. 14.8 x 10.6 cm(5 3/4 x 4 1/8 in). Cut. BM(NH) Library.

Cont: blank f; 1/2tp; print data; tp; 3 text pts; stones index; 3 blank p.

Brief histories and classifications of stones including a number of gemstones as jasper and agate, with descriptions of stones in part one. The second part is a classified list of marbles and the buildings in which they appear while the last part lists churches and buildings with the names of the stones used in their construction.

5291. PUMINOV, A P & SHUKOV, V V, editors

Nauchno-Issledovatelskiy Institut Geologii Arktiki | Ministerstva Geologii SSSR | [rule] | Rossypnaya Almazonost Sredney Sibiri | Sbornik Statey | Leningrad | 1973

Edgestapled: 54, [6]p; maps, figs, tabs. Printed white wrap, cover title. 28 x 18.4 cm(11 x 7 1/4 in). Cut. 38 k. Press run 295 copies. JSL.

Cont: tp; resume & staff; tab cont; 9 articles; biogr & obits of O A Ivanov(1828-1873); publ data.

Geology and mineralogy of the diamondiferous gravels of central Siberia, with four of the articles specifically on diamonds.

5292. PURTELL, JOSEPH

The | Tiffany | Touch | [rule] | By | Joseph Purtell [New York: Random House, Inc., 1971; title enclosed in single-rule frame]

16°: [2 blank], [7], [1 blank], 309, [1]p; ca 205 photos of persons, places, jewels, illustrations, etc. Purple, unfin cloth, blind rules & title on cover; gold spine title. Col endp reproducing an illust from an old jewelry catalog. White dj, cover title in purple & black, photos on back in brownish tint; flap resume, vita. 23.5 x 16.1 cm(9 1/4 x 6 3/8 in). Cut. $10.00. LC 74-159367; ISBN 0-394-46159-2. JSL.

Cont: blank f; 1/2tp; publ data; tp; publ data(at foot of page a number & "First Edition" obliterated by a black bar); ackn; picture credits; tab cont; text tp; text; index; vita,

Thoroughly fascinating, valuable history of the famous jewelry house of Tiffany & Company, New York City, established in 1837 by Charles Lewis Tiffany(1812-1900) and John P Young, and continuously operated up to now. Purtell provides far more than a dry recital of events, indeed he places such events in contemporary frameworks, creating what may be justly called a history of customs, especially among the wealthy in a vigorous, growing society as pertaining to the display of wealth, often ostentatiously. Among the most interesting matters to be found in this work are discussions of the acquisition and dispersal of the French Crown Jewels, as told especially on pages 96 ff, the discovery and exploitation of American pearls and gemstones, the role played by Tiffany's in the Great Diamond Hoax (see Harpending, *The Great Diamond Hoax*, 1915), one of the best reviews of the life and accomplishments of George Frederick Kunz(1856-1932), vice president and gem expert for Tiffany's for many years(p 61-80), and the history of the famous Tiffany yellow diamond(p 85). Numerous contemporary illustrations were assembled for this work, many of persons connected with Tiffany or customers of same. Purtell was educated in Marquette and Wisconsin universities and is a newspaper reporter and editor, at the time being owner & publisher of Westport, Connecticut *Town Crier*. Rev *G & G*, 14, 1, 1972, 14-7.

5293. -----1973, paper

The | Tiffany | Touch | [rule] | By | Joseph Purtell | Published By Pocket [logo] Books New York [1973]

Cementb: [9], 390 p; ill, many fullp. Col wrap, col photo of ruby & diamond necklace & pin. Ae stained red. 17.9 x 10.4 cm(7 x 4 in). ISBN 671-78611-3; LC 74-159367. $1.50. JSL.

Cont: summ; advert; tp; publ data; ackn; credits; tab cont; text tp; text; index. "This Pocket Book edition includes every word contained in the original, higher-priced edition. It is printed from brand-new plates made from completely reset... type."

5294. PYATNITSKII, P [Geological explorations in the emerald region of the Urals. Genetical interrelations of the rocks of the emerald schist series. In Russian with Engl summ.] *Izvestiya Geologicheskogo Komiteta*, Sanktpeterburg, no 43, 1929, p 283-306. Not seen; from A E Fersman. Also published, with an Engl summary, in *Trudy Glavnogo Geologo-Razvedochnogo Upravleniya V.S.N. Kh. SSSR*, Moskva, vypusk 75, 1932, p 1-71(not seen) and ibid, vypusk 189, 1932, p 1-46, figs(not seen).

5295.-----1934 Izumrudy ikh mestorozhdenie i proiskozhdenie [emeralds, their occurrences and genesis]. Moskva: Gorno--Geologo-Neftianoe Izdatelstvo, 1934, 47, [1]p, includes tabs, diagrs. 25 cm. From *Trudy Ukrainskogo Geologo-Gidro-Geodezicheskogo Tresta, Glavnoe Geologo-Gidro-Geodezicheskoe Upravlenie* [Trans of the Geological-Hydrological-Geodetical Trust of the Ukraine]. Not seen; USGS Library.

5296. PYLYAEV, M I Dragotsennye kamni, ikh svoistva, mestorozhdeniya i upotrebleniya [Precious stones, their properties, occurrences and uses]. St Petersburg, in the late 1800's; not seen. Published in at least three editions. Frequently cited without further details in A E Fersman's works; references to dates of 1888, 1896, and 1897, and paginations of 335, 390 and 403; the third edition is stated to be 1896 with 335 or 403 pages.

5297. PYMS, FELIX B

Gems | by | Felix B.Pyms | Specialist in Oriental Pearls | and | Precious Jewels | 516 Fifth Avenue | Suite 1205 | New York City [priv published 1921]

Centersewn with blue silk cord: 46, [1], [1 blank]p; 4 fig. Stiff, pale gray mottled paper wrap, dk blue title on cover. 17.6 x 13.8 cm(6 7/8 x 5 3/8 in). Cut. Wrap overlaps text of pale blue-gray paper. JSL.

Cont: tp; fwd; part tp; text; part tp; text; birthstones list; blank p.

Handsome promotional brochure, the first part on diamonds and other precious stones, the second part on pearls. Includes brief histories of Koh-I-Nur, Great Mogul, Cullinan, Pitt(Regent), Orloff, and Hope diamonds; the Cullinan and Hope are illustrated.

PYRGOTELES, see KRAUSE, J H

5298. QUANDT Das südbaltische Land in der vorslavischen Zeit. Die zumeist durch den Bernstein vermittelte Kunde. *Pommersches Jb für Geschichts- und Alterthumsforschung*, Stralsund, 1, 1867, 29-113. Not seen.

QUENSTEDT, FRIEDRICH AUGUST(1809-1899)

Ger paleontologist & geologist; prof Württemburg, Tübingen 1837; maintained expertise in mineralogy & crystallography. Zittel, 148.

5299. -----1855

Handbuch | der | Mineralogie | von | Fr.Aug.Quenstedt, | Professor zu Tübingen. | [rule] | Mit vielen Holzschnitten. | [rule] | Tübingen, 1855. | Verlag der H.Laupp'schen Buchhandlung. | - Laupp & Siebeck.-

8°: VIII, 728 p; several 100's small wood engravs. 23 x 15 cm(9 x 6 in). Cut. JSL. LC 11-32958.

A general treatise on mineralogy preceded by a short history of the science and containing a bibliography, annotated in part, on p 712-6. Under the class of silicates, Quenstedt places quartz and opal, p 160-82, devoting considerable space to description of the gemstone varieties. Here also he places precious stones in their own section, p 241-74, treating the diamond in detail, with which he provides several illustrations of rough & cut examples of gemstones, several famous diamonds, corundum, chrysoberyl, spinel, zircon, topaz, beryl, euclase, phenakite, tourmaline and axinite. Amber is treated on p 651-5 and is followed by descriptions of other kinds of fossil resins.

5300. -----1863, 2nd edit

Handbuch |...| Fr.Aug.Quenstedt, | Professor zu Tübingen. | [rule] | Zweite verbesserte Auflage. | Mit vielen Holzschnitten. | [rule] | Tübingen, 1863 |...

8°: VIII, 816 p, ill. Quartz p 187-212, opal 212-16, precious stones 291-330, amber 756-60.

5301. ----- 1877, 3rd edit, 8°: VIII, [21] 997 p.; not seen.

QUICK, LELANDE(1890-1963)& LEIPER, HUGH(1899-1971)

L Q grad U PA; pharmaceuticals salesman; org & first pres Los Angeles Lapidary Soc; with Harry Ringwald founded *Lapidary Journal*, first number issued in Apr 1947; became sole proprietor; sold journal to Lee S Packard 1960, thereafter retiring. H Leiper, former editor *Lapidary J.*

5302. -----1959

Gemcraft [circle of cut & rough gems to right] | How to Cut and Polish Gemstones | Lelande Quick & Hugh Leiper, F.G.A. | Chilton Company · Book Division | Philadelphia & New York Publishers [1959; titles spread over doublep; "Arts and Crafts Series"]

8°: VIII, 181, [1], [2 blank]p; 177 fig; 11 tab. Pale blue cloth, black title & rules on cover; spine title. Col dj, with 2 col photos of front, with white lett on black ground; portrs & vitas back cover; resume & other bks on flaps. 26 x 18 cm(10 1/4 x 7 1/8 in). Cut. $7.50. LC 59-13626. JSL.

Cont: 1/2tp; tp(on 2 p); publ data; pref; tab cont; text tp; 15 chs; blank p(except for small seahorse photo); 2 blank p.

Covers all the important types of lapidary work with preliminary chapters on the diamond saw and its operation. Other chapters devoted to cabochon cutting, star & cat's-eye gems, special cabochon methods, faceting, collecting faceting materials & gems, lapping, carving & engraving, mosaic & inlay work, and novelties. The final chapter gathers a miscellany of information and includes the bibliography(p 173-6, 73 entries), tables of weights & measures, equipment operating speeds, facet angles, gemstone sizes, and birthstones. The major amount of text is devoted firstly to facet work, and secondly to cabochon work.

Both authors were experts in lapidary work, Quick in cabochons and Leiper in faceted gems. On the whole, the text is clear and understandable but there are a number of places where the authors aiming to "stay as far away as possible from gemology" introduce terms and statements that are not understandable unless the reader has had gemological training. The first two issues of this work were without index, but by the 6th printing, August 1868, or possibly somewhat earlier, an index had been prepared and made a part of the book with the pagination now: VIII, 189, [1, seahorse phot], [2 blank]p and p 189 new, containing notes on types of equinment illustrated or discussed, also a list of manufacturers and the pages upon which such equipment is shown. Rev: *The Gemm*, 29, 346, May 1960, 89-90; *G & G*, 9, 12, 1959/60, 371; *Lap J*, 14, 1, 1960, 76-7.

5303. -----1977, 2nd edit

Gemcraft | How to Cut and Polish Gemstones | Second Edition | Lelande Quick and Hugh Leiper, F.G.A. | Revised by Pansy D.Kraus, G.G., F.G.A. | Chilton Book Company | Radnor, Pennsylvania [1977; "Chilton's Creative Craft Series"]

Cementb: xi, [1 blank], 195, [1]p; 9 col photos on 2 glossy f; 142 b&w photos, 31 drawings. Purple cloth-like paper over bds, white spine title. Purple & white dj, col photo front cover with b&w title; resume back cover; other bks of publ flaps. 25.9 x 18.1 cm(10 1/4 x 7 1/8 in). Cut. Also in paper covers, these printed from the dj; same p size. Hardcover $13.95; LC 77-4578; ISBN 0-8019-6242-9; softcover $7.95, ISBN 0-8019-6243-9. JSL.

Cont: 1/2tp; tp; publ data; 2nd & 1st edit prefs; ackn; tab cont; 15 chs; append(biblio p 180-3, 102 entries); index; vita & portr of K.

Most significant change: added chapter on use of modern diamond abrasives and polishing agents, plus accompanying equipment. Chapter on carving somewhat reduced in scope because of availability of other books treating carving exclusively, Some additional new gem materials described, especially synthetics, but essentially the book remains the same as before. Illustrations largely replaced to reflect advances in equipment design while former rather crude line drawinss redrawn to achjeve style consistency and neatness. Rev *Gems*, 10, 4, 1978, 40.

5304. QUICK, LELANDE

The Book Of Agates | And Other Quartz Gems | By Lelande Quick | Chilton Books | A Division Of Chilton Company | Publishers | Philadelphia and New York [1963; title spread over 2 p, dec]

8°: xi, [1], 232, [1]p; tip-in front col photo pl + another tip-in pl with 6 photos of quartz snuff bottles; 155 figs(2 sketch maps); small photo ch orns. Dull, reddish cloth, unfin, gold spine & cover titles. Col dj, resume, vita, and other work of the author. 26 x 18.1 cm(10 1/4 x 7 1/8 in). Cut. $9.95. LC 43-8919. JSL.

Cont: front; 1/2tp; tp(2 p); publ data; dedic; pref; ackn; tab cont; text tp; 12 chs; index tp; index; vita; biblio(p 215-9, 99 entries).

A great deal of information of a non-technical nature on chalcedonic varieties of quartz is here assembled and presented in easily-read language. The author also includes some information on crystalline varieties as well. The author takes pride in having received "no personal help of any kind, except in... securing adequate illustrations," but at the same time acknowledges his indebtedness to previous writers from whom he gleaned information.

Perhaps as a result of this independence, the work displays considerable repetition and some inaccuracies that could have been eliminated by a careful outside review. Nevertheless, the work is excellent and very useful, treating history, nature and origin of agate along with other varieties of chalcedony and crystalline quartz, also opal, petrified woods, and with information on collecting areas in the United States, Mexico, and Canada. Other chapters treat the cutting and polishing of the materials while Ch 11 contains a series of "agate creations," that is, ornamental objects made from agate or other chalcedonies and crystalline quartzes. Ch 4 contains an extensive glossary of quartz and its varieties. Rev *G & G*, 11, 3, 1963, 93-4; *J Gemm*, 9, 5, 1964, 181; *Gems*, 5, 2, 1973, 59, reviewing a London printing issued by Pitman in 1964, 250 p, price 63 shillings (not seen).

5305. QUIRING, H Die Edelsteine im Amtsschild des jüdischen Hohenpriesters. *Südhoffs Archiv*, 38, 1954, 193-213; not seen.

5306. QUIST, BENGT ANDERSSON Försök på en del kiesel-arter, och i synnerhet de hårdare så kallade äkta stenar. *Kongliche Svenska Vetenskaps Akademiens Handlingar*, Stockholm, 29, 1768, 55-76. Not seen. Describes varieties of silica and comparative hardnesses of gemstones, with further remarks on silica varieties in "Anmärkningar öfver kiesel-artene," ibid, 36, 1775, 330-8; not seen.

5307. R, D S Discours touchant les merveilleux effects de la pierre néphritique. Orléans: 1684, 12°; also other edits in same place 1689, 12° and 1713, 12°, "revue et augmenté de plus experiences," 81 p. Not seen; from H Fischer, *Nephrit und Jadeit*, 1880, 115 who complains of the high price he was forced to pay for a copy of this "scientifically worthless" work from a French antiquarian bookseller. The treatise concerns the fancied healing properties of nephrite. Gatterer, p 50.

5308. RAAL, FREDERICK ANTON De Beers research serves the diamond industry. [Title from wrap; publ by De Beers, Johannesburg, South Africa, ca 1969]. Centerstapled: 39, [1]p; 11 photos, 5 col photos. Thick, black glossy wrap with inward-fold flaps, col photo & title on cover; vita, resume & portr of Raal on flaps. 24.2 x 23 cm(9 1/2 x 9 in). Cut. Gives "the substance of a series of lectures broadcast by the Research Manager". Topics: basic research into nature & properties of diamond, induced coloration, improved recovery of crystals from ore, synthesis, scientific applications of diamond and in technology.

5309. RABKIN, M I; MILASHEV, V A & EGOROV, L S

Nauchno-Issledovatelskiy Institut Geologii Arktika | Ministerstva Geologii SSSR | [rule] | Kimberlitovye Vulkanism I Perspektivy Korennoy Almazonosnosti | Severo-Vostoka Sibirskoy Platformy | (Sbornik Statey) | Leningrad | 1971

Edgestapled: 157, [7]p; figs, tabs(some fold). White paper wrap, title on cover. 26.7 x 18.1 cm(10 1/2 x 7 1/8 in). Cut. 1 r 6 k. Press run 295 copies. JSL. On kimberlite vulcanism and the in-situ diamonds of the Siberian Platform in 20 articles. Topics:

crystallography, photoluminescence, thermometry, characteristic of kimberlite bodies, occurrences, etc.

5310. RADICE, MARÍA MAGDALENA

Universidad Nacional De La Plata | Revista Del Museo De La Plata | Sección Geología Tomo IV | [rule] | Contribution al Conocimiento | Mineralógico de la Rodocrosita de | Yacimientos Argentinos | Por | María Magdalena Radice | Separado de la Revista Del Museo De La Plata(Nueva Series) | Tomo IV, Sección Geología, pags. 247-321 | La Plata - 1949 | [rule] | República Argentina

8°: [2]p + p 247-319, [320-1]; 12 glossy pls bound-in; 4 figs(sketch map, 2 sketches, 1 diagr). Very pale tan paper wrap, photo of university bldng in pale green on cover with title, pale green rules; wrap overlaps text. 24.2 x 16.6 cm(9 1/2 x 6 1/2 in). Uncut. JSL.

Cont: tp; introd; map & explan; text; biblio(p 316-9, 81 entries); pls tp; pls(lett on reverses).

The only scientific study of the celebrated deposits of banded pink rhodochrosite in the mines of Capillitas, Catamarca province, Argentina. Lists specimens in the museum, describes mineralogy of rhodochrosite, thin sections examined and described, chemistry, appearances under UV, origin of deposits, world sources, commercial uses, lapidary applications, and conclusions, Plates depict typical rough slabby specimens, sawn sections, and many thin sections.

RAFFRAY, M, see LOWN, C & BOOTH, H

5311. RAFINESQUE, CONSTANTINE SAMUEL(1743-1840)

A | Monograph | Of The | Fluviatile Bivalve Shells | Of The River Ohio, | Containing | Twelve Genera & Sixty=eight Species. | [rule] | Translated from the French of C.S.Rafinesque, Prof. Bot. | and Nat.Hist. in Transylvania University. | [rule] | Philadelphia: | J.Dobson, 108 Chesnut Street, | 1832.

8°: 72 p; hand-col front litho pl with tissue, tip-in. Pale green cloth, title in ruled frame on paper label pasted to cover. 18.8 x 11.4 cm(7 3/8 x 4 1/2 in). Uncut. USGS Kunz Coll. LC 2-617.

Cont: front; tp; print data; dedic; pl explan; text; remarks; index.

Early descriptions and scientific classification of pearl mussels of the Ohio River, USA.

RAINIER, PETER WILLIAM(1895-1945); MENTZEL, CHARLES & MACFADDEN, C KENDRICK

P W R b Barberton, Swaziland; sch in Natal; many travels & explorations in S Afr, Mozambique, Rhodesia, Nigeria; joined S African Army, campaigned against Ger Army in SWA during WW I; became min engineer, engaging various mining enterprises after 1919; to Colombia to manage Chivor emerald mines, later working also in Muzo mines 1927 onward; to Egypt at outbreak WW II, volunteering Royal Engineers, Brit Army(Lt to Maj) in North African campaigns, esp noted for laying water pipeline(see his *Pipeline to Battle*, NY, Random House, 1943; for early accounts of his life, see his *African Hazard*, London, John Murray, 1940, 287 p, publ in USA as *My Vanished Africa*). Severely injured in hotel fire, Winnipeg, 1946, while on lecture tour, and dying therefrom shortly after. *Pers comm* Mrs Ruth Rainier, Sept 13, 1986.

5312. -----1929

The American Institute Of Mining And Metallurgical | Engineers | Technical Publication No.258 | Class H, Non-Metallic Minerals, No.11 | The Chivor-Somondoco Emerald Mines | of Colombia | By P.W.Rainier | Minas De Chivor, Guateque, Colombia, South America | With Appendixes By | Charles Mentzel And C.Kendrick MacFadden | Discussion Of This Paper Is Invited. It should prefer- |...[14 lines]...| Copyright, 1929, by the American Institute of Mining and Metallurgical Engineers, Inc. | Printed in U.S.A.

Centerstapled: 21, [3 blank]p; 5 fig, 2 tabs. Pale brown wrap, title in orn frame in upper left hand corner of cover. 23 x 15.3 cm(9 x 6 in). Cut. JSL. LC PO 80-36.

Cont: tp; publ note; Rainier text to p 11, 2 refs; Append 1 by Mentzel p 12-5; Append 2 by MacFadden 15-21; 3 blank p.

Rainier, then in charge at the emerald mines, describes geography, early mining operations, production, occurrence & grades of emeralds, mining methods, thievery, labor problems, and future possibilities. This part is followed by Mentzel's description of the local geology at the No 1 mine, with remarks on mineralogy and origin of the deposit, While the second appendix by MacFadden gives a brief review of emerald mining in Colombia as a whole, and remarks on geology, composition, and features of the emerald crystals, profits realized, accidental discoveries of important single crystals, and current production & values. Rainier's paper, translated more or less complete by Miguel Alvarez U, appeared as "Formacion esmeraldifera de Chivor," in *Minera*, Medellin Ãno 3, no 28, Oct 1934, p 1806-15. Rainier also wrote "Informe geologico de las minas de esmeraldas de Muzo," dated 1933, which appeared upon p 237-40 of R A Dominguez *A Historia de las Esmeraldas de Colombia*, Bogota, 1965 obtained from the archive of Oficina de Fiscalizacion de Salinas y Esmeraldas, Serie 16, vol 29, 1933-34, p 4.

5313. -----1931 The above article, after comments by reviewers, and with augmentation of "Discussions," appeared in *Trans AIME*, NY, 96, 1931, 204-23, 5 fig, 2 tab.

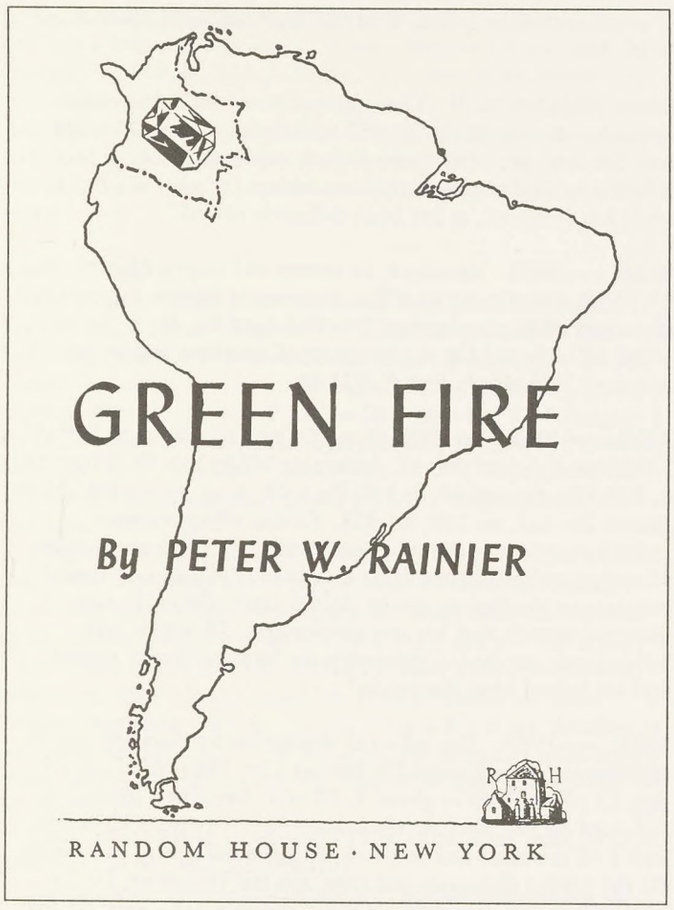
5314. RAINIER, PETER WILLIAM

Green Fire | By Peter W.Rainier | Random House. New York [1942; title in green & black, sketch map S Amer & Colombia, with faceted emerald, logo]

8°: [7], [1 blank], 296 p; sketch map. Bright yellow cloth, an emerald & S Amer map on cover with title in green & red-brown; title on spine with bars in same colors; bright yellow endp maps printed in green line. Col dj, mining scene on cover; resume, vita, other publ bks. 22.6 x 14.6 cm(8 7/8 x 5 3/4 in). Cut, Te stained green. JSL.

Cont: 1/2tp; other bks of author; tp; publ data; dedic; tab cont; text in 3 parts(9, 9, 7 chs).

Written in colorful, sometimes sensational terms, this work was not seriously regarded as an authentic record of modern emerald mining at Chivor, Colombia until recently. However, like Anderton's *Tic-Polonga*, which see, also recording his experiences in Chivor prior to Rainier's campaign, and also written in colorful prose, it remains the sole eye-witness account of activities at Chivor from 1927 into the 1930's, aside from the above article which Rainier published in the AIME *Transactions*. As an exciting story of adventure *Green Fire* stands high on any list, but as a reference for facts from which one can deduce actual events set in time, place, and identifying persons, one finds this difficult to do without first skimming through the whole to gradually form a coherent picture of the mining operations as supervised by Rainier. Nevertheless the effort is worth it and one



5314. Rainier's famous account of his emerald-mining adventures in Colombia. The title is in green & black

may discover many solid "plums" in the pudding from which valid conclusions can be drawn as to what really happened, the methods of mining employed, geological formations encountered and their significance insofar as bearing emeralds is concerned, specific modes of emerald occurrence, crystals found, methods of recovery, cleaning, and other data of interest and value. Reprinted in 1942, 1943 in orange-yellow cloth, endpaper maps now on white paper; te unstained. Reprints indicated on publ data page.

5315. -----1944, Garden City

Green Fire | By Peter W.Rainier | [logo] | Blue Ribbon Books | Garden City, New York [1944]

16°: pag same. Pale gray cloth, with same decor, lett, etc, No endp maps; similar col dj, 19.8 x 14.2 cm(7 3/4 x 5 5/8 in). Cut. Fe untrimmed. Te stained greenish-gray, JSL. Otherwise identical.

5316. -----1953, paper

Green Fire | By Peter W.Rainier | Bantam [logo] Books | New York [1953; title spread over 2 p; wavy rule decor on letter "G"]

Cementb: [7], [1 blank], 274, [6 advert]p; sketch map. Col paper wrap, romantic scene armed white man overseeing Indian miners on cover; execution scene, with Indian women on back. 16.3 x 10.8 cm(6 3/8 x 4 1/4 in). Cut. Ae stained yellow. $.35. JsL.

Cont: resume; tp; publ data; tab cont; dedics; text; adverts.

Publ data page now bears complete publ record but does not include London edit below; browning paper, disintegrating, and this edit considerably scarcer than hardcover edits.

5317. -----1943, London

Green Fire | P.W.Rainier | [star] | London | John Murray, Albemarle Street, W. [1943]

8°: viii, 216 p; 3 sketch maps(one spread over 2 p). Bright green unfin cloth, gold spine title. Orange dj, green & white lett; resume, vita. 21.7 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; other author bks; tp; publ data; dedic; sketch map of S Amer; tab cont; text.

Entirely reset; adds 2 new maps, the original map redrawn.

5318. -----1943(?), Ger edit. Grünes Feuer. Ullstein-Verlag. Not seen.

RAINIERI, A, see TEIFASCHI

RAMAN, Sir CHANDRASEKHARA VENKATA(1888-1970)

Indian physicist, spec: light phenomena; b Trichinopoly(Tirunchirapalli); MS Presidency Coll Madras; prof phys Calcutta U 1917-33; spec lecturer other cities 1914-30; res assoc CA Inst Technol 1924; knighted 1929; Nobel Prize 1930(light diffusion, "Raman Effect"); head Dept Physics Bangalore 1933; dir Raman Res Inst Bangalore 1947; founded *Indian J Phys*; founder Indian Acad Sci, pres in 1934. Highly important researches upon transparent gem materials for which little credit is given in modern gemological writings. Memorial: *Amer Min*, 57, 3/4, 1972, 652-6; DSB 11, 264-7.

5319. -----1944, with others Symposium of papers on the structure and properties of diamond. *Proc Indian Acad Sci*, Bangalore, 19, 5, Sect A, 1944. Edgestapled: [2]p + p 189-342 + [2]p; 30 glossy photo pls. Print wrap,cover title, index back cover. 25.1 x 18.7 cm(9 7/8 x 7 3/8 in). Cut. JSL.

Cont: C V R, Crystal symmetry and structure of diamond, 189-98, 1 fig; C V R, Nature and origin of luminescence of diamond, 199-215, Pls 3-6; KRISHNAN, R S, Raman spectrum of diamond, 216-23, Pl 7; DAYAL, B, Lattice spectrum and specific heat of diamond, 224-30, 2 tabs; MANI, A, Fluorescence and absorption spectra of diamond in the visible region, 231-52, Pls 8-13, 7 tabs; BAI, K S, Ultra-violet absorption spectrum of diamond, 253-60, Pls 14-15, 1 tab; HARIHARAN, P S, Intensity of x-ray reflection by diamond, 261-4, 1 tab; C V R & RENDALL, G R, Birefringence patterns in diamond, 265-73, Pls 16-19; BAI, K S, Luminescence patterns in diamond, 274-9, Pls 20-23; RAMACHANDRAN, G N, X-ray topography of diamond, 280-92, 2 fig, Pls 24-25; RENDALL, G R, Ultra-violet transparency patterns in diamond, 293-7, Pls 26-27; KRISHNAN, R S, Experimental evidence for the existence of the four possible structures of diamond, 298-303, Pl 28; RAMCHANDRAN, G N, X-ray reflection and the structure of diamond, 304-9, 1 fig; SIGAMONY, A, Magnetic susceptibility of diamond, 310-4, tab; PANT, D D, Photo-conductivity of diamond, part 1, 315-24, 1 fig, 6 tabs, part 2, 325-33, 1 fig; RAMASESHAN, S,

Crystal forms of the Panna dianonds, 334-42, 19 figs, Pls 29-30, 1 tab.

5320. -----1946, 2nd symp Second symposium on the structure and properties of diamonds. Ibid, 24, 1, Sect A, 1946, p 1-197, containing 21 papers on crystal forms, Raman spectra, thermal expansion, crystal symmetry, x-ray work, laminae in crystals, luminescence, etc. Not seen.

5321. RAMAN, C V & RAMASESHAN, S The crystal forms of diamond and their significance. *Proc Ind Acad Sci*, 1946, p 1-24. Not seen.

5322. -----RAMAN, C V; KRISHNAN, R S: RAMANATHAN, K G & NAYANASWAMY, P K Symposium of papers on the vibration spectra of crystals. *Proc Ind Acad Sci*, 26, 6, Sect A, 1947, p 339-530, many figs, tabs, Pls 9-26, on tip-in glossy f; printed wrap.

Cont: C V R The vibration spectra of crystals, 6 parts, esp Part 2, "The case of the diamond," 356-69. Other parts of interest: KRISHNAN, R S, "The scattering of light in diamond and its Raman spectrum," 399-418, "Raman spectrum of alumina and the luminescence of ruby," 459-9, "The Raman effect in topaz and its relation to the luminescence spectrum, 460-8; RAMANATHAN, K G, "The infra-red absorption spectrum of diamond and its variations," 469-78, "The emission and absorption spectra of luminescent diamonds, 479-80; "Dynamical theory of the vibration spectra of crystals, Part 1, Diamond," 481-92; NAYANASWAMY, P K, "Influence of temperature on the Raman spectra of crystals, Part 2, Quartz," 521-30.

5323.RAMAN, C V & JAYARAMAN, A The structure of labradorite and the origin of its iridescence. *Proc Ind Acad Sci*, 32, 1, Sect A, 1950, p 1-16, Pls I-IV, & reprint in: *Mem Raman Research Inst*, Bangalore, No 8, 1950, with same pag & ill. Describes the experimental means used to determine the cause of color reflections and suggests that it originates from segregation of potash feldspar as crystallites or lamellae of orthoclase in an albite-anorthite matrix.

5324.RAMAN, C V; JAYARAMAN,A & SRNIVASAN, T R The structure and optical behaviour of the Ceylon moonstones. *Proc Ind Acad Sci*, 32, Sect A, 123-40; see also RAMAN, C V, The iridescent feldspars, *Current Sci*, Bangalore, 19, 10, 1951, 301-5, and More about the iridescent feldspars, ibid, 20, 4, 1951, 85-9.

5325.RAMAN, C V & JAYARAMAN, A The structure of opal and the origin of its iridescence. *Proc Ind Acad Sci*, 38, 2, Sect A, 1953, 101-8, Pls 6-9. Reprint in *Mem Raman Res Inst*, No 39, 1953, same p & pls. After optical & x-ray studies the authors conclude that precious opal, which they regard as being derived from hyalite, owes its play of color to diffractive effects from "regularly stratified" layers of two different forms of cristobalite. In this connection see SANDERS, J V, 1964.

5326.-----1953 The structure and optical behaviour of iridescent agate. *Proc Ind Acad Sci*, 38, 3, Sect A, 1953, 199-206. See also X-ray study of fibrous quartz, chalcedony, iridescent agate. *G & G*, 8, 4, 1954-55, 106-7,125, and On the optical behaviour of cryprocrystalline quartz, *Proc Ind Acad Sci*, 41, 1, Sect A, 1955, 1-6.

5327. RAMAN, C V The origin of the colours in precious opal. *Current Sci*, 22, 1953, 355-8, 3 fig, reprinted: *Mem Raman Res Inst*, 44, 1953, same pag? A condensation of previous information and stating that "the problem [of play of color in opal] has, however, at last been definitely solved."

5328. -----1954 Amethyst, its nature and origin. *Current Sci*, 23, 1954, 379-83; see also The structure of amethyst quartz and the origin of its pleochroism. *Proc Ind Acad Sci*, 40, 5, Sect A, 1954, 189-95, and On the structure of amethyst and its genesis in nature, ibid, 40, 6, Sect A, 221-9.

5329. -----1958 The diffraction of x-rays by diamond. Parts I-III. *Proc Ind Acad Sci*, 47, 5, Sect A, 1958, 263-75, 2 figs; no 6, 335-433, fig; vol 48, 1, 1-8, Pls 1-10, 1 fig. Reprinted: *Mem Raman Res Inst*, no 109, nd. JSL. Studies effects of x-ray excitation upon the crystal, phenomena governing interchanges of energy within crystals when irradiated, the diamond crystal response to irradiation, results. In the main, the study suggests diamond crystals that are non-birefringent, IR active, and possess only tetrahedral symmetry are "extraordinarily perfect and are indeed ideal diamonds."

5330. -----1962 The infra-red absorption by diamond and its significance. *Mem Raman Res Inst* no 129, 1962, 61, [1]p, 17 figs, 12 pls on 7 tip-in glossy f; 10 tabs. Reprinted from *Proc Ind Acad Sci*, 55, Sect A, 1962(not seen). Contains 10 articles: Part I on materials and methods, II a general survey and results, III the perfect diamonds and their spectral behaviour, IV the non-luminescent diamonds, V the composite diamonds, VI free vibrations of the structure, VII Characteristic frequencies, VIII dynamical theory, IX activity of the normal modes, and X evaluation of the specific heat. *Min Abstr*, 16, 1, 1963, 48. JSL.

5331. -----1968 The diamond: its structure and properties. *Current Sci*, 37, 1968, 211-25, ill; not seen.

5332. -----1969(?)

The Diamond | By | Sir C.V.Raman [Bangalore; priv publ, nd]

8°; [3], [1 blank]p + arts paged as below, with own ills. Bright red cloth, black lett spine. 23.4 x 17.9 cm(9 1/4 x 7 in). Cut. JSL.

Cont: tp; tab cont; articles.

RAMAN, C V, The physics of crystals, reprint from *Proc Ind Acad Sci*, 43, 6, Sect A, 1956, 327-35; The diamond, ibid, 44, 3, Sect A, 1956, 99-110, Pls 2-3; The heat capacity of diamond between 0 and 1,000°K, ibid, 46, 5, A, 1957, 323-32; The infra-red absorption of diamond and its significance, *Raman Res Inst Mem* 129, 1961-62, 61 p(in 10 parts), 7 pls, fig(also publ in *Proc Ind Acad Sci*, details unstated); The diffraction of x-rays by diamond, parts 1-3, *Proc Ind Acad Sci*, 47-8, 1958, 263-75, 335-43, 1-8, 5 pls, fig; The tetrahedral carbon atom and the structure of diamond, ibid, 46, 6, A, 1957, 391-8; The luminescence of diamond and its relation to crystal structure, ibid, 32, 2, A, 1950, 65-73, Pls 6-13; The luminescence of diamond, 4 parts but lacks journal citation, 23 p; The diamond: its structure and properties, p 231-46 also without journal citation.

5333. RAMBOSSON, JEAN PIERRE(1827-1886) Histoire des substances précieuses... Paris, Librairie Française et Étrangère, 1859, iii, 216 p, 15 cm. Not seen: from *Hoover Coll Cat*, 1980, no 671. I have been advised by Claremont Libraries that this is indeed a valid treatise on precious stones; it appears to be the predecessor to the work below but it is not so noted nor have I ever seen a copy advertised or described in over 30 years!

5334. -----1870

Les | Pierres Précieuses | Et Les | Principaux Ornements | Par | J. Rambosson | Lauréat De L'Institut (Académie Des Sciences) | Ancien Président De La Classe Des Sciences De La Société Des Arts, Sciences | Et Belles-Lettres De Paris | [rule] | Ouvrage Illustré | De 43 Planches Dessinées Par Yan' Dargent | Et D'Une Planche Chromolithographique | [orn rule] | Paris | Librairie De Firmin Didot Frères, Fils Et C^ie^ | Imprimeurs De L'Institut, Rue Jacob, 56 | [rule] | 1870 | Reproduction et traduction réservées.

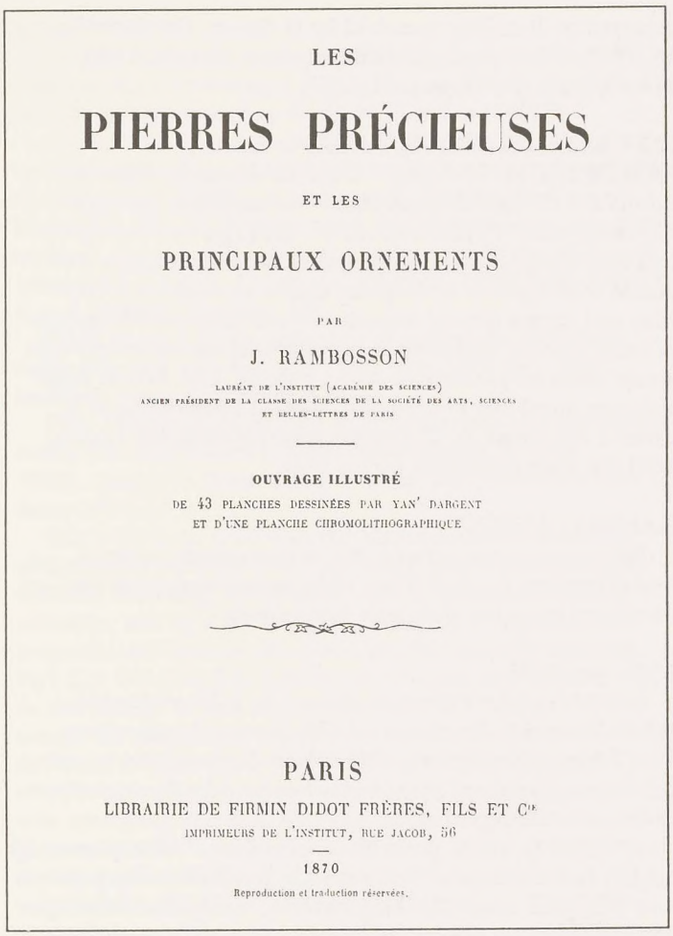
8°: [5], [1 blank], II, 298, [2 blank]p; tip-in col litho pl with tissue; 43 wood engravs(18 fullp rectos; versos blank but all includ in pag). Pale grayish-green print wrap, titles on cover & spine, adverts back cover. 24.8 x 16.2 cm(9 3/4 x 6 3/8 in). Uncut. Also in purple cloth, elaborate blind frames on covers, title in orn lett on cover; gold lett & blind panels on spine. Yellow endp. Aeg. 23.3 x 15.4 cm(9 1/4 x 6 1/8 in). Another in red, pebbled cloth, blind cover frames, red morocco spine with 4 raised bands, gilt panels, gilt lett, aeg, white moire endp. LC 30-33865. JSL.

Cont: other works of author; 1/2tp; print data; front pl title; pref; text; ill list; tab cont; blank f.

An excellent, largely descriptive and non-technical work on gemstones which for many years enjoyed top position among French language gemological treatises. Despite its age, it still proves to be rewarding reading and one that is recommended as a permanent reference. The opening portion of text treats briefly the formation of gemstones, the beauty & fascination of gems, history of gems in antiquity, the stones of the High Priest's breast plate, rarity & pricing, imitations, and other topics of a general nature. There follows a large description of the diamond which is perhaps the most valuable section of the book and which provides good information on famous diamonds and jewels in which diamonds were a prominent part, Principal gemstones are treated next, from the corundum gemstones to chalcedonic quartz, and including nacre, pearl, coral, amber, jet, ivory, gold, silver, platinum, and, remarkably, the then-rare aluminum which found some use in modish jewelry for a few years until improved recovery methods enormously increased supplies. A final section provides a history of the principal types of jewelry from rings to diadems and ornaments of heraldry. The frontispiece color plate, rather poorly done, depicts rough gemstones, also native gold and silver, and is characterized by feeble and sometimes inaccurate colors. On the other hand, the vigorous, handsome wood engravings are excellent and depict mining scenes, snow crystals, the famous cave of smoky quartz crystals found in the Swiss Alps near Tiefengletscher in 1867, jewelry, engraved gems, etc.

5335. -----1884, 2nd edit

Les | Pierres Précieuses | Et Les | Principaux Ornements, | Par | J. Rambosson, | Lauréat De L'Institut De France, |



LES

PIERRES PRÉCIEUSES

ET LES

PRINCIPAUX ORNEMENTS

PAR

J. RAMBOSSON

LAURÉAT DE L'INSTITUT (ACADÉMIE DES SCIENCES)
ANCIEN PRÉSIDENT DE LA CLASSE DES SCIENCES DE LA SOCIÉTÉ DES ARTS, SCIENCES
ET BELLES-LETTRES DE PARIS

OUVRAGE ILLUSTRÉ
DE 43 PLANCHES DESSINÉES PAR YAN' DARGENT
ET D'UNE PLANCHE CHROMOLITHOGRAPHIQUE

PARIS
LIBRAIRIE DE FIRMIN DIDOT FRÈRES, FILS ET C^IE^
IMPRIMEURS DE L'INSTITUT, RUE JACOB, 56
1870
Reproduction et traduction réservées.

5334. For many years Rambosson's precious stone treatise was used as a standard textbook. Notable for excellent illustrations

Professeur De L'Association Polytechnique, | Officier De L'Instruction Publique. | [rule] | Ouvrage Illustré | De 67 Gravures Dessinées Par Yan' Dargent | Et D'Une Planche Chromolithographique. | Deuxième Édition, | Revue Et Considérablement Augmentée.| [orn rule] | Paris, | Librairie De Firmin-Didot Et C^ie^, | Imprimeurs De L'Institut, Rue Jacob, 56. | [rule] | 1884 | Reproduction et traduction réservées.

8°: [2 blank], [3], [1 blank], II, 375, [1 blank]p; 67 wood engravs (21 fullp as before). Paper wrap(?) not seen. Red, pebbled cloth, blind frames on covers; 4 raised bands & elab gilt panels & lett in gold on spine. Blue marbled endp. Aeg. 23.3 x 15.4 cm(9 1/4 x 6 1/8 in). JSL.

Cont: blank f; 1/2tp; print data; front; tp; pref; text; ill list; tab cont.

Entirely reset, revised; numerous additions throughout; some illustrations added; new ch on porcelain.

5336. RAMDOHR, PAUL(1890-1985) Eine Fundstelle von Beryllium-Mineralien im Gebiet der kleinen Spitzkopje, Südwestafrika, und ihre Paragenesis. *N Jb Min*, B-Bd 76, Abt A, 1940, p 1-35, 12 fig. JSL. Describes the famous miarolitic cavity occurrence in the granite of the Kleine Spitzkopje mountain in South West Africa which yielded, among other species, large numbers of aquamarine and some golden beryl crystals, some of

gem quality. Ramdohr memorial by H Strunz, *Der Aufschluss*, 36, 1985, 141-2, portr; W Schreyer, *Amer Min*, 71, 1986, 839-40, portr. P J Hugo et al, 2494.

5337. RAMMELSBERG, KARL, or CARL FRIEDRICH(1813-1899) Über die chemische Natur der Turmaline. *Abhandl K Preuss Akad Wiss zu Berlin*, Sitzungsber 30, 1890, p 627 ff. Also reprint: 4°: 75, [1]p, 64 tabs. First thorough study of chemical compositions of tourmalines conducted over a period of 20 years; classes tourmalines as trisilicates and gives a general formula; reports results of 64 analyses of many types of specimens from numerous environments, with special notes on presence of water, fluorine, iron, boron. Rammelsberg noted Ger mineralogist; showed similarity Se to S; wrote 2 vol *Handb der kristallographisch-physikalischen Chemie*, 1881-82. Rammelsbergite named after.

RAMSAY, ALBERT

Eminent gem merchant in Engl & USA; in youth apprentice lapidary in London; began own gem business early 1920's; extensive travels to buy rough gem materials; see *Sat Eve Post* articles below for biogr details.

5338. -----1925

In Search of the | Precious Stone | by | Albert Ramsay | Albert Ramsay & Co. | 2 West 47th Street | London New York India | Copyrighted, 1925, Albert Ramsay [title on pale yellow panel, outlined by pale gray border rules & corner fleur-de-lis, on white paper]

4°: [2], 50p; tinted portr photo of author; 7 b&w photos; 12 col ills, line drawings of facet cuts. Dk gray leather-like paper over bds, gold cover title. Bright yellow, faintly marbled endp. 18 x 13 cm(7 1/8 x 5 1/8 in). Cut. All text & ills printed on yellow panels. USGS Kunz Coll, GS 33-348. JSL.

Cont: tp; portr; text; cutting & polishing stones; general remarks on gems; gem cuts; gloss of gems; symbolism in gems.

Handsome promotional booklet by a New York gem merchant who achieved considerable fame for his travels into remote places to look for gem rough. Describes his adventures seeking opal in Australia, sapphire in Indo-China and Burma, rubies in Burma, star sapphires and other gemstones in Ceylon, and emerald in Colombia. Remaining material is standard gemological fare. A so-called "second" edition, so identified on the final page of text, was "produced by Gem Creations Pub. Co. 36 West 47th Street New York" and is an identical reprint but bound in dk blue morocco-like cloth and bright yellow panels in the text. It is by far the more commonly encountered version.

5339. RAMSAY, ALBERT, with SPARKES, BOYDEN Bright jewels of the mine. *Saturday Evening Post*, Philadelphia, Sept 15, 1934, 10, 11, 65, 66, 69; Sept 29, 26, 28, 34, 36, 39; Oct 20, 26, 27, 76, 78, 80. JSL. Fascinating, well-illustrated articles describing Ramsay's traveling adventures, beginning with his early life as an apprentice lapidary, beginning business, and then his adventures. See also "Albert Ramsay, big gem hunter," *Good Housekeeping Mag*, 95, Sept 1932, 58-9, the gist of which also appears in *Literary Digest*, 114, Aug 27, 1932, 32; reprinted in part in *Lap J*, 23, 5, 1969, 690-5, 746- 75; 6, 872-6; 7, 908-20.

5340. RAMSEY, JOHN LARSEN(1948-) & RAMSEY, LAURA JEAN(1950-)

The | Collector/Investor | Handbook of Gems | Boa Vista Press

[title spread over 2 p; facing p reads:]

text: | John L.Ramsey | photography: | Laura J.Ramsey | Edited by Dara E.Yost, G.G., F.G.A. | Graduate Gemologist(Gemological Institute of America) | Fellow Gemmological Association(of Great Britain) [San Diego, CA 92101, 1985]

Cementb: 300, [2 blank]p; 12 fullp col photos; 24 col text photos; 25 b&w text photos; 21 graphs; tables. Paper wrap, col photos both covers; spine title; vitas inside front cover. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cut. $16.95. JSL. LC & ISBN not given.

Cont: blank f; 1/2tp; authors; tp; publ data; ackn; quot; tab cont; introd; text; property tabs; gloss; sugg reading(p 282-95); append; index; blank f.

The author, a gem dealer, attempts to explain how the ups & downs of inflation & deflation may affect gem prices and presents advice on buying gems for investment purposes, followed by chapters which give instructions for detecting flaws and inclusions, and commenting on how these may influence value, detecting faceted gems that have been altered in some way, self-education in gemology, identification equipment of the gemologist, and in the last two chapters the significance of color and color grading by provision of comparative color photographs of faceted gems of andalusite, beryls, cat's-eye chrysoberyl, corundums, green grossular, peridot, and others, with details on their properties and features, usual sizes, and other information deemed helpful to the reader.

5341. RAMSEY, L G G

The Connoisseur | Coronation Book, 1953 | [rule] | Edited And Compiled By L.G.G.Ramsey, F.S.A. |...| The Connoisseur | With which is incorporated International Studio | 23 and 30 Grosvenor Gardens, S.W.I [London]

There is no titlepage as such, the above being the heading of what passes as the table of contents with list of color plates.

8°: XCVI + 110p + p XCVII-XCXII; aside from title above, the Roman-numbered pages bears adverts, some in col; 6 col pls includ in pag; many text ill. Stout tan paper, resembling parchment, over bds, with col ill of Queen Elizabeth II pasted to cover with gold lett; gold lett spine. 30.5 x 23.5 cm(12 x 9 1/8 in). Cut. JSL.

Largely a publication designed to sell advertising matter from British antique & art dealers, but also containing 14 articles on the coronation, the royal possessions, and related topics: p 3-8, by Lawrence C Tanner, on regalia, with photographs; most important article is on the engraved gems and jewels in Windsor Castle, illustrated, by A B Tonnochy, 54-60.

5342. RAND, THEODORE D; JEFFERIS, WILLIAM W & CARDEZA, J T M Mineral localities of Philadelphia and vicinity, *Proc Acad Nat Sci Phila*, 44, for 1892; 1893, 174-202; also reprinted in pale green printed wrap. JSL. Describes sources of amethyst and serpentine, among other minerals. Biogr notice of Rand in T M Drown, *Trans AIME*, 34, 1904, 695-701.

RANGE, P, see DIAMOND FIELDS OF GERMAN SOUTH WEST AFRICA

5343. RANKIN, JEREMIAH EAMES(1828-1904)

Gems | For | The Bridal Ring. | A Gift | For The Plighted And The Wedded. | Compiled By | Rev.J.E.Rankin. | [ring orn] | "What God hath joined together, let no man put asunder." | Boston: | For Sale By | Congregational Sabbath School And | Publishing Society. [1868]

8°: [4]p + p ix-xvi, 1-141 + [3 blank]p; small ch orns. White cloth, gilt orn title on cover in gold-rule frame; gilt frame back cover; orn gilt spine title; bev edges. White moiré endp. 13.4 x 9.5 cm(5 1/4 x 3 3/4 in). Aeg.

Cont: blank flyleaf; 1/2tp; tp; publ data; note; tab cont; 13 chs; 3 blank p; blank flyleaf.

Rankin, an eminent American clergyman, president of Howard University, 1891-1903, here writes a charming wedding day memento based on gems and their sentiments. The first chapter is on rings while the remaining twelve chapters treat the stones in Marbod's lapidary, as acknowledged by Rankin who notes that "the sentiments and mottoes are from the "Lapidarium" of Marbodus, a Latin poem of the eleventh century." Each chapter begins with an appropriate verse from Marbod but is then filled out with numerous verses thought by Rankin to fit the themes enunciated by Marbod and culled from many sources in the literature. A handsome production.

5344. RANSOM, JAY ELLIS(1914-)

Petrified Forest Trails | A Guide To | The Petrified Forests Of America | A Handbook For | The Collector Of Petrified Woods | By | Jay Ellis Ransom | First Edition | 1955 | Price $2.00 | Copyright 1955 | by the | Mineralogist Publishing Company | 329 S.E. 32nd Avenue Portland 15, Oregon

Centerstapled: 80 p; 31 photos. Stiff, blue paper wrap, red lett & sketch on cover. 23.5 x 15.2 cm(9 1/4 x 6 in). Cut. JSL. LC 56-16629.

Popular exposition of petrified woods: 1 origin and physical properties, geological environments, the petrification process, identification, worm-bored woods, 2 major petrified wood forests of America west of the Mississippi River, 3 descriptions of several forests east of the river. Most woods are silicified and suitable for lapidary treatment. Excellent, continuing demand for copies of this now scarce booklet.

5345. -----1955

Arizona Gem Trails | And The | Colorado Desert | Of California | A Field Guide for | The Gem Hunter - the Mineral Collector | The Uranium Hunter | By | Jay Ellis Ransom | First Edition - 1955 | Price $2.00 | Copyright 1955 | By the | Mineralogist Publishing Company | 329 S.E. Thirty-second Avenue, Portland 15, Oregon

Centerstapled: 96 p; 27 photos. Brownish-orange paper wrap, title & maps on cover in silver. 23.7 x 15.4 cm(9 3/8 x 6 1/8 in). Cut. LC 55-14804.

Begins with advice to the novice collector-traveler in desert regions, problems of travel, features of volcanic rocks, field equipment, and followed by sections on the Colorado Desert, western Arizona, south & central Arizona, eastern Arizona, and northern Arizona. Some historical information is supplied along with other interesting stories about specific places and sites, and with specific instructions for reaching collecting areas and descriptions of minerals that may be found, most of the latter being varieties of quartz.

5346. -----1974

Jay Ellis Ransom | Gems and Minerals | of America | A Guide to Rock Collecting | [logo] Harper & Row, Publishers | New York, Evanston, San Francisco, London [1974]

16°: [2 blank]p + xxiii, 705p + [5 blank]p; 48 col photos on 8 bound-in glossy f; 24 photos on 12 bound-in glossy f; 24 figs; 27 tabs. Pale turquoise-blue cloth, blind logo on cover; black spine title. Black endp; black dj with white lett, col photo on front, 3 col photos on back; resume, vita. 23.2 x 15.6 cm(9 1/8 x 6 1/8 in). Cut. $17.50. LC 72-9147; ISBN 0-06-013512-3, and -7(library binding). JSL.

Cont: blank f; 1/2tp; other bks of author; tp; publ data; dedic; tab cont; tabs list; ackn; fwd; Part 1(10 chs); Part 2 localities; 4 appends; index; 5 blank p.

P xx: "This volume updates and replaces two of my previous works. *The Rock-Hunter's Range Guide*(Harper & Row, 1962)...[and]... *A Range Guide to Mines and Minerals*(Harper & Row, 1964)."

Part 1 concerns itself with the fundamentals of collecting, with chapters on mineralogy, petrology, preparations & equipment for collecting, use of maps, care of specimens, forming a collection, and lapidary work, but including a chapter on the properties and features of cryptocrystalline quartzes and opal. Part 2, p 187-113, lists localities in 50 states, but excludes Canada and Mexico as well as other countries of "America." The listings are under state, county, and municipality, with brief directions to sites where such can be given. The appendixes are an alphabetical list of minerals & varieties, including gemstones, with synonymy, chemical formulas, colors, etc, followed by a glossary with the terms borrowed from A H Fay, A Glossary of the Mining and Mineral Industry, *US BuMines Bull* 95, 1920, and *Webster's Third New International Dictionary*. The third appendix lists reference libraries and museums in the USA; the last appendix is a bibliography, 684-90, 122 entries. As usual with books of this kind that cover so many areas of knowledge, only brief remarks can be made and hence the information is fragmentary at best. Color photos unfortunately all possess an unrealistic reddish to brownish cast and poorly depict minerals and gems. The only text illustrations are crystal drawings spread over p 124-5, many of which are misaligned. Rev *G & G*, 14, 12, 1974/75, 373-4.

5347. RANSOME, STAFFORD

The Engineer In | South Africa | A Review of the Industrial | Situation in South Africa after | the War and a Forecast of the | Possibilities of the Country | By | Stafford Ransome M.Inst.C.E. | Special Commissioner of "The Engineer" in South | Africa, Author of "Japan in Transition" | "Modern Labour" etc | Westminster | Archibald Constable & Co Ltd | 2 Whitehall Gardens | 1903

8°: xv, [1 blank], 319, [1], 16[advert]p; glossy photo front pl tip-in + 23 photos on 20 tip-in glossy f + 1 fold glossy f map of railways tip-in; 13 figs(mostly maps). Red cloth, blind cover title; gold spine title; bev bds. 22.2 x 14.3 cm(8 1/2 x 5 5/8 in). Part uncut, other edges untrimmed. JSL.

Cont: 1/2tp; front; tp; other bks of author; tab cont; ill list; introd; 20 chs; fold map; adverts.

Primarily of interest: Ch 16, 239-64, "Diamond mining in Kimberley," presenting a good summary of methods & equipment, with a few remarks on history and establishment of the

De Beers organization. Several photo plates depict mines & mining, including the frontispiece, while an interesting illustration shows outline sketches, in full size, of several very large diamonds. Ch 6, on labor, includes some remarks on the compound system employed at the diamond mines.

5348. -----1903, New York

The Engineer In |...| New York | E.P.Dutton And Company | 1903

8°: xv, [1 blank], 319, [1]p; same ill but front now supplied with tissue. Dull olive-yellow buckram; red spine & front cover titles; extra flyleaves at each end. Teg. 21.8 x 14.3 cm(8 5/8 x 5 5/8 in). Cut. JSL.

5349. RANSON, GILBERT Mollusques perliers et perles (bibliographie) par Gilbert Ranson (avec le concours de Mlle Jacqueline Paretias). *Bull Inst Océanographique*, Monaco, no 1140, 31 Mars 1959, 43 p. Contains about 940 entries on many aspects: fisheries, structure of pearls, cultured pearls, etc, but marred by spelling errors, incomplete entries, and other defects but still of great value for searches into the literature of pearls.

5350. -----1961 Les especes d'huîtres perlières du genre Pinctada(biologie de quelques-unes d'entre elles). *Inst Roy Sci Naturelles Belgique, Mémoires*, deuxieme série, fasc 67, 1961, 8°: [2 blank], 95 p; 23 figs, 42 photo pls, each preceded by leaf of explanation, Printed blue paper wrap. 33 x 25.2 cm (13 x 9 7/8 in), Unopen. Biological studies of pearly oysters of the genus Pinctada to aid in their classification & recognition, using three characteristics, namely, the anal membrane, the embryonic shell, and the impressions left upon the shells by the closure muscle. Provides much additional information on the oysters, life habits, sizes, distributions, etc, with many references to the literature. Text figures show outline drawings of shells, anal processes, and muscle impresssions, while the fine photographs show exteriors and interiors. However, nothing is said about pearls!

RANTZOW, H, see MARBOD, 1574, 1575, 1585

5351. RAPHAEL, KATRINA

Crystal | Enlightenment | The Transforming Properties | of Crystals and Healing Stones | Katrina Raphael | Aurora [logo] Press | [rule] | 205 Third Avenue 2A New York, N.Y. 10003 [1985]

Cementb: [11], 171, [1]p; 1 diagr. Col wrap, col photo of quartz crystal. 21.5 x 13.7 cm(8 1/2 x 5 3/8 in). $9.95. LC 85-071008; ISBN 0-943358-24-8.

Cont: 1/2tp; publ data; tp; tab cont; pref; 6 chs; gloss; other bks.

Self-healing, using stones, including gem types. Topics: what crystals are, how obtained, their uses, cutting, ancient lore, personal wear and effects, useful stones, atsrology, recommended reading, glossary. As usual, includes minerals that were scarcely known several years ago, eg, sugilite.

5352. RAPONI, IGNAZIO MARIA(1748-1796)

Recueil | De | Pierres Antiques Gravées | Concernant | L'Histoire, La Mythologie, La Fable, Les Cérémonies Religieuses, Les Coutumes | Des Anciens Peuples, Et Les Plus Fameux Personnages De L'Antiquité | Avec Leur Description | Par L'Abbé | Ignace Marie Raponi. | [rect engrav vignette of 3 gems] | À Rome | MDCCLXXXVI. | Chez Bouchard Et Gavier Libraires Rue Au Cours Près L'Eglise De St Marcel. | [orn rule] | De L'Imprimerie De Jean Zempel À Mont Jordan. | Avec Permission Des Superieurs.

Not seen; titlep reproduced in P & H Zazoff, *Gemmensammler*, 177, from which other data obtained. Goodland, gives "large folio": x, 30 p, portr of Cardinal Buoncompagni, plus 88 pls(ca 1200 figs).

See also Vinet 1641. Fürtwangler, *Die antiken Gemmen*, 3, 419, calls it a "horribly bad dilettante bungling work with wretched drawings mostly reproduced from older books. Each of the 88 plates contains a number of such grotesque pictures upon beautiful paper in a luxury binding. Uncritically intermixed are modern gems; inscriptions are simply discarded; naturally enough, the material, size and owners of the gems are not included, and furthermore, numerous representations of coins are included."

5353. RAPP, FREDERIC J von

Diamonds | [rule] [space on tp for insertion of store address; title enclosed in double-rule frame]

On reverse of tp: "Copyright, 1912 | By | Frederic J.von Rapp | Philadelphia"

Centersewn: [2], 59, [1 blank]p; 2 doubleleaves wrapped around text, serving as extra flyleaves and a leaf for bearing the front plate; 1 text fig. Dk blue, limp leather, vertically grained, cover title in gold. 11.2 x 7.4 cm(4 3/8 x 2 7/8 in). JSL.

Brief history of diamonds; occurrences in India, Brazil, South Africa; colors; physical/optical properties; cutting; value & weight; brief histories famous diamonds. This and the following Rapp booklets were sold in quantity to jewelry stores as promotional give-aways, usually with the name of the store separately printed upon the titlepage and the cover.

5354 -----1913 Similar, on pearls, centersewn: 57, [1], [2 blank]p; 2 photos on glossy doubleleaf wrap around text, one photo serves as front and the other as tailpc. In some copies only the front pl appears and is a tip-in, Brief remarks on history, occurrences, fishing, properties, weights, values, forms, drilling, stringing, pearl collections and famous pearls.

5355. -----1914

Sapphires | Emeralds | Rubies [2 small orns] | [double-rule] [space; title enclosed in double-rule frame] [Copyright, 1914 ...]

8°: [2], 55, [3 blank]p; glossy photo front pl tip-in. Limp leather, gold title on cover. Same size. JSL. Historical notes, sources, some famous gems, curious lore, etc.

5356. RASMUSSEN, O D

Old Chinese Spectacles | [rule] | By | O.D.Rasmussen, Opt.D. | (A member of the American Optical Associa- | tion and Editor of the North China Commerce.) | [rule] | North China Press | 82A Victoria Road | Tientsin N.China [1915] [2nd edit rev; first edit not seen]

Centersewn: [2 blank], [3], [1 blank], 33, [1 blank]p; 8 photos and line drawings on 8 bound-in glossy f. Yellowish-tan paper over bds, title & line drawing of an elderly Chinese gentleman on cover; similar drawing on back cover; brown spine cloth. Lett in brown ink; ills in somewhat darker brown ink. 17.8 x 12.8 cm(7 x 5 in). Cut. JSL.

Cont: blank f; tp; publ data; pref; text; blank p.

Fascinating account of an optometrist's study of the development of spectacles in China that were manufactured from transparent quartz varieties and by the same lapidary methods as were used to carve jade. Four of the illustrations show various stages of work while another is a line drawing of a typical lapidary's lathe-bench employing foot-treadle propulsion. Another valuable feature of this work is an account of the curious lore associated with wear of quartz spectacles and explaining why the Chinese were of the firm conviction that spectacles made from smoky quartz were soothing to the eyes and helped heal diseases of those organs. Very scarce.

RASPE, RUDOLPH ERIC, or RUDOLF ERICH(1737-1794)

Ger writer, geologist, antiquarian; b Hanover; stud ln Göttingen & Leipzig univs; in 1767 apptd prof at Kassel and Keeper of the Landgrave of Hesse's rich collection of antique gems & medals, but ca 1775 began removing valuable coins from the collection and when threatened with arrest fled to England; in 1785 employed by the Tassies to prepare their catalog of engraved gem impressions; electd Fellow Roy Soc; d Ireland 1794. Raspe is best known for his anonymous *Adventures of Baron Munchausen*, but is also author of several valuable geological treatises & translations. See DNB for a large biogr article; a recent biogr by John Carswell is *The Prospector*, 1950; see also Pogg 2, 572; DSB, 11, 302-5.

5357. -----1791

Catalogue Raisonné | D'Une | Collection Generale, | De | Pierres Gravées Antiques Et Modernes, | Tant En Creux Que Camées, | Tirées Des | Cabinets Les Plus Celébres De L'Europe. | Moulées En | Pâtes De Couleurs A L'Imitation Des Pierres, Emaux Blancs, Et Soufres, | Par | Jacques Tassie, Sculpteur. | Mis En Ordre Et Le Texte Rédigé | R.E.Raspe. | Orné De Planches Gravées. | Au Quel On A Ajouté | Un Discours Preliminaire Sur Les Differents Usages De Cette Collection, | Sur L'Origine De L'Art De Graver Les Pierres Dures, | Et Le Progrès De L'Invention Des Pâtes. | [taper rule] | Unde Prius Multis Velarunt Tempora Musae. | [taper rule] | Tom. I[-II]. | [double rule] | A Londres: | Imprimé Pour J.Tassie, Et Se Vend Chez Lui, N°. 20, Leicester-Fields; | Et Chez J.Murray, Libraire, N°.32, Fleet-Street. | C.Buckton, Inpremier, Great Pulteney Street. | [rule] | M,DCC,XCI.

Facing title in English:

A | Descriptive Catalogue | Of | A General Collection | Of | Ancient And Modern Engraved Gems, | Cameos, As Well As Intaglios, | Taken From The | Most Celebrated Cabinets In Europe; | And Cast In | Coloured Pastes, White Enamel, And Sulphur, | By | James Tassie, Modeller; | Arranged And Described | By | R.E.Raspe; | And | Illustrated With Copper-Plates. | To Which Is Prefixed, | An Introduction On The Various Uses Of This Collection, The Origin Of | The Art Of Engraving On Hard Stones, And The Progress Of Pastes. | [taper rule] | Unde Prius Multis Velarunt Tempora Musae. a [taper rule] | Vol I[-II]. | [double rule] | London: | Printed For And Sold By James Tassie, N°.20, Leicester-Fields; | And J.Murray, Bookseller, N°.32, Fleet-Street. | C.Buckton, Printer, Great Pulteney Street. | [rule] | M,DCC,XCI. [both titles in red & black.

The Latin motto in the second volume reads "Artibus Ingenuis Quarum Mihi Maima Cura."

Vol I: 4°: [8], lxxiv (p i blank), [2], 496 p; pi^4, a-i^4, k^2, A-$3Q^4$; tip-in engrav front pl. Vol II: [3], [1 blank]p + p 497-800 + 12, 50, 13, [1 blank], [2]p; pi, 3R-$5H^4$, A-B^2, c^2, a-m^2, n^1, a-d^2; at end 57 bound-in engrav pls. 27.4 x 21.6 cm(10 3/4 x 8 1/2 in). Cut. JSL.

Cont: Vol I: front; 1/2tp(Engl & Fr); tps; subscribers; directions to binder; introd(Engl v, Fr r); conspectus(Fr); prices(Engl & Fr); catalog (double-column, Engl v, Fr r). Vol II: 1/2tps & tps as before; list of owners of Tassie casts with cat nos in Fr only; list of ancient & modern gem engravers in Fr only; alphabetical list of inscriptions, Fr only; index of names of subjects & portrs in Fr only; ps in Engl; concordance nos from the old catalog to the new in Engl; blank p; errata in Engl & Fr; pls.

The directions to the binder suggest that the plates "may be inserted either at the End of the Second Volume or where the Number of each Gem refers to."

C W King, *Antique Gems and Rings*, 1, p 467, provides a good summary of this work - "by the learned Raspe, written as an explanatory catalogue of the 15800 pastes made by Tassie from gems of all classes and periods. A most serviceable commentary, illustrated with short dissertations upon the history of the different series, and the myths of the more interesting designs, interspersed with curious remarks upon the artists and collectors, making the work still an invaluable companion and guide to the study. The numerous plates, by [D] Allan, of Edinburgh, are etched in a very sketchy style, but are done with considerable taste, and an accurate understanding of the subjects to be drawn. From their slight depth, these engravings are often in very poor condition, which has given rise to the unfavourable opinion generally entertained of this work." Vinet, 1641, notes that Raspe apologizes for his "bad French" but does not excuse "his lack of decency and good taste in the explanation of scabrous subjects," perhaps referring to certain of the gems which attracted the attention of Goodland, *Bibliogr Sex Rites*, p 501. In comparison to King's favorable remarks, and as may be expected, those of A Furtwängler, *Die Antiken Gemmen*, 3, p 420 are condemnatory, noting that the text is accompanied by "54 badly drawn plates" and that it is "scientifically worthless" and "true criticism is absent even though the author gives the appearance of being critical. " See also the remarks of the Zazoffs, *Gemmensammler*, p 171-4.

The text in parallel English & French columns provides firstly a general treatise on engraved gems, touching upon many topics, but not exhaustively, and followed by the catalog proper which occupies most of the first volume and all of the second. The catalog is followed by a supplement of additional gems, a useful list of the cabinets in Europe with names of their proprietors, a list of celebrated gem engravers, inscriptions found upon gems, the principal subjects portrayed, paste replicas of portraits issued by Tassie, and a table of concordances. The plates present several to as many as a dozen examples per plate, ranging from Egyptian subjects through several plates of cylinder seals, into engraved gems of classic to modern times.

The Tassie reproductions owe their existence to the discovery of readily fusible lead-potash glass, called by Tassie "white enamel composition," and discovered shortly after 1763 by James Tassie and Henry Quin, a physician who amused himself in his spare time by making imitations of antique engraved gems in his laboratory. According to DNB (Tassie entry), "Tassie varied the colour of his reproductions with great skill, made them opaque or transparent, and imitated the varied layers of a cameo." In a related field, "he supplied casts to Wedgwood and Bentley for reproduction in Wedgwood paste, and most of the cameos

named in Wedgwood's catalogue of 1773 were casts from moulds supplied by him." In this work, James tassie was joined by William Tassie, a nephew. The Tassie reproductions were executed with taste and skill and were sold in large numbers. Catalogs, although not incorporating as much detail as in the present work, were regularly issued, the first, of gems, in 1775 containing 3,106 items, and by 1781, the collection had grown to 20,000. The work of the factory was continued by William Tassie and catalogs were issued in 1816, 1820, and 1830. Cf DNB; *The Gemm*, 30, 1961, 36-7.

James Tassie was born nr Glasgow in 1735; he studied modelling in Foulis Academy, Glasgow, afterwards traveling to Dublin in 1763 to become laboratory assistant to Henry Quin, MD, wherein the paste composition was discovered. Eventually he settled in London, where he died in 1799, His nephew, William, born in London 1777, succeeded to the business upon the death of his uncle, continuing same until retirement in 1840; he died in 1860.

RASPE, R E, see FERBER, J J, 1776

5358. RASSBACH, R Beiträge zur Kenntnis der Schale und Schalenregeneration von Anodonta cellensis Schrötter. *Zs wiss Zool*, 102, 1912, 363-47; Notes polygonal growth structure of calcium carbonate crystal aggregates in nacre.

5359. RASSMOTRENIE proekta Ministerstva Torgovli i Promyshlennosti o Pravilakh Dlya Poiskov, ravedki i razrabotki tsvetnykh tsennykh i dragotsennykh kamnnei. *Trudy Ekstrennogo sbezda gornopromyshlennikov Urala*, s 23 po 30 Oktyabrya 1912 g, v S Peterburge. St Petersburg, 1912, p 7-192. Not seen.

RATH, GERHARD VOM(1830-1888)

Ger mineralogist, geologist; b Duisberg; stud Geneva, Bonn, Berlin; grad Berlin U 1853; taught min/geol Bonn U 1856, prof 1872; widely traveled, wrote numerous works; rathite named after. Pogg 2, 572-3; sketch of his life by H Laspeyres, *Verhandl Naturhist Vereins Pr Rheinl*, Jg 45, 1888, 30-81; brief biogr sketch in *R & M*, 57, 2, 1982, 72-3, portr.

5360. -----1870 3.Geognostisch-mineralogische Fragmente aus Italien. III. Theil. VIII.Die Insel Elba. *Zs Dt geol Ges*, 22, 1870, 591-732, Pls XIV-XV. JSL. Pages 633-73 describes a visit & investigations of the granitic pegmatites nr San Piero in which occur gem quality tourmalines; describes feldspars, quartz, lepidolite, garnet, beryl, tourmaline, petalite, pollucite, cassiterite, pyrrhotite(?). Pls of crystal drawings tourmaline & beryl, also quartz, and map of Elba.

5361. -----1879

Naturwissenschaftliche Studien. | Erinnerungen | an die | Pariser Weltausstellung 1878. | (Sections etrangeres.) | Von | Prof.G.Vom Rath, | K.Geheimer Bergrath, | [taper rule] | Bonn, | Max Cohen & Sohn (Fr.Cohen) | 1879.

8°: XIV, 442 p; tan printed wrap, cover title; other publ bks back cover. 19.5 x 13 cm(7 5/8 x 5 1/8 in). Cropped. JSL. LC 15-9661.

Cont: tp; dedic; fwd; tab cont; introd; text.

Describes numerous exhibits he saw at Paris World Exposition of 1878, esp in earth sciences and economic geology, including much on gemstones and ornamental stones: Uralian gemstones as emerald, phenakite, topaz, quartz, amethyst, topaz and amazonite of Ilmen Mts, ornamental rocks as jaspers, rhodonite, porphyry, including the Siberian demantoid and nephrite, and the turquoise of Turkestan. Among gemstones of other countries he notes the precious opal of Hungary, pyrope of Czechoslovakia, alabaster & marble of Italy, diamond & diamond fields of Brazil, also the latter's mines and miners, with some production statistics, the agates of Uruguay, green calcite onyx of Mexico, and diamonds found in the California gold placers. Much supplementary information is furnished by Vom Rath based on other catalogs examined at the Exposition and extraneous sources as mentioned in his foreword.

RAU, SEBOLD FULCO JAN, see TEIFASCHI

5362. RAU, WILHELM(1804-)

Edelsteinkunde | Für Mineralogen, Juweliere | Und Steinhändler | Praktisches Lehr- Und Hilfsbuch | Zur Kenntnis, Untersuchung Und Bestimmung | Von Edelsteinen Nach Einem Älteren Werke Des | Prof.Dr. Reinhard Blum | Auf Grund Des Heutigen Standes | Der Mineralogie Neu Bearbeitet| Von | [orn] Wilhelm Rau [orn] |: Juwelier Und Edelstein-Experte in Erfurt: | [rule] | Mit 4 Bunten Tafeln Und 58 Text-Illustrationen | [logo] | Druck Und Verlag | Herm.Schlag Nachf.(Inh.: Curt Hentze), Leipzig | 1907

8°: VI, [1], [1 blank], 147, [5]p; bound-in col front pl with tissue bearing captions + 3 other col pls; 58 figs. Gray-green patterned cloth, maroon cloth spine; dec rules lett gilt on covers & spine; art nouveau type endp of basic tan hue. 22.4 x 15.6 cm(8 3/4 x 6 1/8 in). Cut. Ae stained red. Steel-stapled gatherings. Various issues, with different endp designs. USGS 33-319. JSL.

Cont: front; tp; fwd; tab cont; text tp; text; append; tab; addenda & errata; index; adverts.

While retaining the same general arrangement and contents of Blum's *Taschenbuch der Edelsteinkunde*, 1887, after which work it was modeled, the present book is so changed that it must be regarded as an entirely new treatise. First part: general gemology, crystallography, properties, lapidary treatment, defects in cut stones, synthetics, imitations, etc, trade names, some curious lore. Under physical & optical properties are illustrations of gem-testing apparatus and accessories, listed with prices on p 147, and with instructions for use. Pl 2, in color, shows double-refraction in calcite and dispersion of light passing through a gemstones. Pl 3 Shows the color figures observed through the polarizing microscope of uniaxial and biaxial minerals. Second part: descriptive, commencing with diamond and progressing through the major gemstones to those that are of lesser importance or even rare. This part ends with a summary properties table useful in identification. The appendix discusses pearl, coral, amber, and jet, and provides also advice on evaluation of the worth and price of gemstones and pearls, with a table for reckoning prices on the standard price per carat. The two color plates not mentioned so far depict in vivid hues gemstone crystals, crystals on matrix, and several massive gem materials; they are beautifully executed and among the best of their kind to be found in any gemological book. Text illustrations include apparatus & crystal drawings, and the usual photographs. Concise, comprehensive, accurate. This first edition is rare.

5363.-----1910, 2nd edit

Edelsteinkunde | für Mineralogen, Juweliere und Steinhändler | [rule] | Praktisches Lehr- und Hilfsbuch zur

Untersuchung | und Bestimmung von Edel- und Schmucksteinen | von | Wilhelm Rau | Juwelier und Edelsteinexperte, Redakteur der Fachzeitschrift |:: "Die Goldschmiedekunst" in Leipzig:: | [rule] | Zweite neubearbeitet und vollständigte Auflage | mit 4 Tafeln in Farbendruck und 4 Tafeln in Schwarzdruck | sowie 134 Abbildungen im Text. | [orn rule] | Leipzig | Druck und Verlag Herm.Schlag Nachf. | 1910

8°: X, [1], [1 blank], 272p; 4 col pls with tissues bearing captions, all bound-in; there are actually 5 b&w pls bound-in, but without tissues; 134 figs, Dk blue cloth, blind-rule box on cover enclosing gold title; gold spine title. Art nouveau type patterned endp. Steel stapled gatherings. 22.4 x 15.8 cm(8 7/8 x 6 1/4 in). Cut. Ae stained dk blue. USGS 33-232. JSL.

Cont: front; tp; rights note; fwd; tab cont & lists of tabs & ills; text tp; 4 parts text; index.

Entirely revised, augmented, and reset, with new plates. First & second parts as before but the third part now provides gem identification tables with color as the first entry for transparent, translucent, and opalescent or aventurescent gemstones. The fourth part is an index of gem-testing instruments, apparatus, accessories, etc, and a directory to the firms that supply them. While all of the text is markedly improved, the color plates have suffered, now being more poorly redrawn in case of those depicting specimens, while those that formerly showed double-refraction are entirely recast into demonstrating the dispersion of light as it passes through a prism or a gem.

5364. -----1921, 3rd edit

Edelsteinkunde |...| Dritte neubearbeitete und vervollständigte Auflage | mit 4 Tafeln in Farbendruck und 8 Kunstdrucktafeln | sowie 105 Abbildungen im Text. | [taper rule] | Leipzig 1921 | Druck und Verlag von Herm. Schlag Nachf.

8°: X, [1], [1 blank], 247, [1 blank]p; same col pls but b&w pls increased to 8, of which 2 pls printed on both sides of a single f; 105 fig. Dk blue, diced paper over bds, gold title within baroque frame on cover; dk blue cloth spine with gold lett. Plain white endp. Gatherings now sewn. 22.3 x 15.4 cm(8 3/4 x 6 1/8 in). Cut. Te stained blue. JSL.

Cont: front; tp; rights note; fwds; tab cont & lists; text tp; text in 3 parts; index; blank p.

Again drastically revised, entirely reset; first part augmented by an article on gem engraving by C Thomas, plus additions to material on synthetic gemstones, luminescence, new testing instruments, etc. The chapter on gem valuation changed to reflect use of new metric carat. Previous fourth part on buying gem-testing apparatus is omitted.

5365. -----1923, 4th edit

Edelsteinkunde |...| Vierte neubearbeitete und vervollständigte Auflage | mit 4 Tafeln in Farbendruck und 8 Kunstdrucktafeln | sowie 105 Abbildungen im Text. | [taper rule] | Leipzig 1923 | Druck und Verlag von Herm. Schlag Nachf.

8°: X, [1], [1 blank], 312 p(p 308-12 adverts); same ill but color pl tissues omitted & captions printed on pls. Same binding but endp now brown. Same p size. Te stained blue. Once again the gatherings are steel-stapled. Cheap, browning, embrittled paper. USGS 33-349; JSL.

All plates in poor condition; ch on synthetics enlarged; incorporates extended essay on structure, formation, etc of the cultured pearl by Prof Riedl of Vienna. Post-World-War I difficulties obviously reflected in the choice of paper & materials.

5366. -----1936, 5th edit, Leipzig: Diebener Verlag. 8°: X, 324 p, 2 pls, cloth, Mk 9. Not seen.

5367. -----1942, 6th edit, Leipzig, Diebener. 8°: 324 p. Not seen.

5368. -----1937

Die Edelsteine | Herausgegeben von | Wilhelm Rau | Mit 195 Abbildungen auf 16 farbigen Tafeln nach | Natursteinen und nach Angaben des Herausgebers | gezeichnet von Curt Bessiger und Otto Berger | Verlagsbuchhandlung J.J. Weber in Leipzig [1937; Weberschiffchen=Bücherei Nr.27.]

8°: 48 p; 16 col pls on 8 glossy bound-in f at end of text and paged 33-48. Purplish-pink paper over bds; white panel with black title on cover & spine. 17 x 12 cm(6 3/4 x 4 3/4 in). Cut. LC 38-6558. JSL.

Cont: 1/2tp; tp; publ data; text; index of names; RI tab; pls.

Brief remarks on gemstones generally with short descriptions and some properties data. The color plates, fair quality, are from watercolors and depict as many as 19 rough & cut gemstones per plate.

5369. -----1937, Berlin edit

Die Edelsteine |...| Deutsche Buch-Gemeinschaft | G.m.b.H. | Berlin [1937]

Contents identical save for new title. Bound in tan paper over bds, large flower pattern enclosing a treasure chest on cover; spray of flowers on back cover picked out in blue line; gray spine title.

5370. RAUB, ERNST (1905-)

Tabelle | Zur Bestimmung | Von Edelsteinen | Herausgegeben vom Forschungsinstitut und | Probieramt für Edelsmetalle Schwäb. Gmünd | Für den Unterricht an Fachschulen bearbeitet | von | Dr.phil. Ernst Raub | [taper rule] | Verlag von Wilhelm Diebener G.m.b.H. | Leipzig [1931]

Centerstapled: 12 p. Pale orange-tan printed wrap. 24.5 x 16.4 cm (9 5/8 x 6 1/2 in). Cut. JSL. Tables of properties for identification of gemstones: color, spec gravity, refractive index, and hardness, grouped according to transparency, translucency, and reflective phenomena in the gemstones concerned.

5371. RAUFER, G M

Die | Meerschaum- und Bernsteinwaaren- | Fabrikation. | Mit einem Anhange über die Erzeugung hölzerner Pfeifenkopfe. | Enthaltend: die Fundorte des Meerschaums und Bernsteins, deren Vater- | land, Geschichte, Eigenschaften und Auswahl; die Fabrikation der Pfeifen | und Cigarrenspitzen; die Verwerthung der Meerschaum= und Bernstein= | Abfälle, Erzeugung von Kunstmeerschaum (Masse oder Massa), künst= | lichem Elfenbein, künstlicher Schmucksteine auf chemishen Wege; die | zweckmässigsten und nöthigsten Werkzeuge, Geräthschaften, Vorrichtungen | und Hilfsstoffe. Ferner die Erzeugung der Oeltöpfe, geflammter, gespren= | gelter und Ruhlaer Waare; Vorschriften zum schönen Anrauchen der | Pfeifen und Cigarrenspitzen und Verbesserung durch Rauchen'verdorbener. | Endlich die Erzeugung der Holzpfeifen, hiezu dienliche Holzarten, deren | Färben, Beizen, Poliren u.d.gl. | [rule] | Leicht fasslich und verständlich dargestellt | von | G.M.Raufer, | k.k. priv. Gewerbe=chemiker, Correspondent der k.k. geologischen Reichsanstalt und | Mitglied mehrerer in= und ausländischen

gelehrten Gesellschaften. | [rule] | Mit 5 Tafeln Abbildungen. | [logo] | Wien. Pest. Leipzig. | A.Hartleben's Verlag. | 1876. | (Alle Rechte vorbehalten.) [Chemisch=technische Bibliothek, XII Bd.]

8°: VII, [1], 142, [10]p; front ill + 5 pls at end. Green wrap, title on cover & spine; adverts elsewhere. 18.5 x 13.3 cm(7 3/8 x 5 1/4 in). Uncut. USGS Kunz Coll.

Cont: 1/2tp; front; tp; print data; tab cont; introd; text in 3 parts; pls; 2 advert p.

A remarkable, practical work, containing information on meerschaum not published elsewhere as well as descriptions of numerous types of smoking apparatus manufactured from both meerschaum and amber. The first part treats meerschaum in general, also manufactured or synthetic meerschaum, imitations, processing methods, agents & chemicals used during manufacture, and much more. The second part provides a brief history of amber with remarks on sources, methods of mining & processing, properties, trade, uses, and the methods of manufacture. The third part similarly discusses woods that may be used in the manufacture of pipes, types, sources, qualities, etc, as well as methods of manufacture. The frontispiece is a view of a meerschaum mine in Anatolia, Turkey while the other illustrations depict carving and finishing tools. One plate shows shapes of pipes as preferred by smokers in various nations. Rare.

RAUFF, H, see KAISER, E, 1926

5372. RAURIG, WALTER Bernstein - Weihrauch - Seide. Waren und Wege der antiken Welt. Wien-München, 1971, 158 p. Not seen; from Von Bock, 1981, 179.

5373. RAUW, HECTOR DE Les gisements diamantifères du Kasaï. *Mém Congrès Ingénieurs A.I.Lg., Liége, 18 au 24 juin 1922*, 62237(675), 50 p, fold geol sketch map. Also in reprint. centerstapled, 50, [2 blank]p, fold map, print wrap, Liége: Imprimerie H.Vaillant-Carmanne, 1923. 24.5 x 16.2 cm(9 5/8 x 6 3/8 in). Cut. JSL. Diamond deposits of Kasai in the Belgian Congo(Zaire): historical sketch of discoveries, exploitation, geographical distribution in Kasai, Katanga, and Aruwimi-Uele, geology of Kasai region, hydrography & topography, constitution of the deposits, alluvial associates, origin of the diamonds.

RAVASZ, CSABA, see SBORNIK NARODNIHO MUZEA

RAVIO, S, see TEIFASCHI

5374. RAVN, OTTO EMIL(1881-1952)

Nationalmuseets Skrifter | Arkaeologisk-Historisk Raekke, VIII | [rule] | A Catalogue Of | Oriental Cylinder Seals | And | Seal Impressions | In The Danish National Museum | By The Late | O.E.Ravn | Professor Of Assyriology In The University | Of Copenhagen | Published with the support of a grant | from the Carlsberg Foundation | Nationalmuseet | København 1960

8°: 135, [1 blank]p; photo portr of author on p [3] + 175 figs upon 28 fullp photo ills. Pale green wrap, cover & spine titles; other publ of museum on back cover. 29.8 x 21.7 cm(11 3/4 x 8 1/2 in). Uncut. Glossy paper. Wraps overlap text. Price 40 kr. JSL.

Cont: 1/2tp; portr; publ data; tp; abbrev list(biblio, 70 entries); pref; tab cont; concordance; 11 parts text; forgeries & suspect pcs; blank p.

"At his death, Ravn left a catalogue of the cylinder seals in the Danish National Museum in the form of a typescript...This... was prepared for the press by Dr.Marie-Louise Buhl... Dr.P.J.Riis... and Dr.J.Laessoe"(p[9]). The pieces are described along with dimensions, material, provenance, etc, in accordance with chronology & culture. Several of the impressions were taken from earthenware jars for which no seals were found. The gem materials are the usual kinds for seals, namely, massive forms of serpentine, marble, hematite, chalcedonies, and some others.

5375. RAVSKIY, EDMUND IOSIFOVICH Geologiya Mezosoyskikh i Kaynozoyskikh otlozheniy i almazonosnost Yuga Tungusskogo basseyna. *Akad Nauk SSSR, Trudy Geologicheskogo Inst* Vyp 22, Moskva, 1959. Pale blue print wrap, cover title, 8°: 180 p, 56 figs(includes fold sects). 25.8 x 17 cm(10 1/8 x 6 5/8 in). Cut. 11 r. Press run 1,300 copies. JSL. Mesozoic & Cenozoic geology of southern Tungusk Basin, Siberia, with Ch 7, 158-74, illustrated with photographs of typical diamond crystals, devoted to the geology of alluvial diamondiferous deposits.

5376. RAWSON, JESSICA The surface decoration on jades of the Chou and Han dynasties. *Oriental Art*, London, 21, 1, 1975, 36-55. Not seen; Yang 1799.

5377. RAWSON, JESSICA & AYERS, JOHN

Chinese Jade | throughout the ages | An exhibition organised by | The Arts Council of Great Britain | and | The Oriental Ceramic Society | 1st May - 22nd June 1975 | Victoria and Albert Museum [London: Oriental Ceramic Society, 1975]

P 3:"The catalogue has been prepared by Mrs Jessica Rawson of the British Museum who contributed the first part and Mr John Ayers of the Victoria and Albert Museum who contributed the second two parts."

4°: 152 p; 9 col, 151 b&w photos; sketch map inside back cover. Thick glossy wrap, white title on col photo of jade vase on front cover. 28 x 21.6 cm(11 x 8 1/2 in). Cut. JSL. Also in hardcover, not seen.

Cont: tp; credits & publ data; fwd; chron tab; introd; text in 3 parts of 26 chs; append 1; append 2(mss & bks, 146-8, 16 entries); biblio(149-51, 69 entries); lenders;sketch map inside back cover.

An important assemblage of pieces with a beautifully illustrated catalog to do them justice. There were over 500 pieces exhibited, drawn from numerous public and private collections. The substantial introduction, p 5-20, written jointly by the authors furnishes an admirable sketch of the entire history of Chinese jade, remarking on the raw materials, sources, working methods, stylistic development, etc. The catalog itself is divided into three broad periods: Archaic(Neolithic to Han), Middle Period(Han to Ming), and Late(Ch'ing Dynasty). All items are numbered, briefly described, and many major pieces illustrated. The sketch map shows sources of jade in China and Burma and the important cutting centers. Summary in G M Born, 284-6, who describes the hardbound version of 152 pages with 27 pages of illustrations including "a series of illustrations (401-498)" that were not included in the paperbound version, and further noting

that a list of corrigenda is included, This version, in green cloth, gilt, dj, 28 1/2 cm, $36.00, is also offered in Han-Shan Tang, London, List 28, 1985, where it is given as "264 pp, 9 col & 498 b&w illus, 29 x 23 cm, cloth." See also Yang, entry no 1097 under AYERS & RAWSON, also 1800.

RAY, MARIE BEYNON, see KUNZ, G F, 1927

5378. RAY, OLAF EDWARD(1856-1943

A Trip | To | The Diamond Fields | Of Serro Frio, Brazil | (Districto Diamantino) | [orn] | [double-rule] By [double-rule] | Olaf E.Ray | Attorney At Law | Chicago, Ills. | [orn] | Printed By Gus.G.Martin [logo] 761 West North Avenue | Chicago, Illinois. [1904?]

Centerstapled: 43, [1 blank]p; 7 fullp photos. Pale gray wrap, title on cover in art nouveau-style ribbon frame with part of title underlined in double-rules. 19.4 x 13.8 cm(7 5/8 x 5 3/8 in). Cut. LC 49-38418. JSL.

Acting in behalf of the Brazilian Diamond, Gold & Developing Company, the author left Chicago in 1903 to visit Brazilian properties of interest to the company and to settle certain legal matters. Ray describes his trip, Rio de Janeiro, Brazil's geography, his visit to Diamantina district, its history, productive areas, diamonds found, and other details along with a description of local diamond-cutting facilities. He also visited the Boa Vista diggings and the Jequintinhinha River district with its adjacent diamond fields at São Jõa da Chapada, Sopa, and Caldeira. Fine, careful contemporary account. Text ends with author's facsimile signature. Iglesias & Menghezzi, 1959, 248.

5379. RAYMOND, HARRY

B.I.Barnato | A Memoir | By | Harry Raymond | With Portraits And Illustrations | London: Isbister And Company Limited | J.C.Juta & Co. | Capetown Port Elizabeth And Johannesburg | 1897

8°: 208 p; sepia photograv portr front tip-in + 9 glossy photo pls (4 cartoons) tip-in. Maroon cloth, gold lett spine. Dk, grayish-brown dull finish endp. 22 x 14.3 cm(8 3/4 x 5 5/8 in). Fe untrimmed. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; ill list; 14 chs.

The first large biography of Barnett Isaacs, later known by the name given in the title above. Barnato made a large fortune in the diamond and gold industries in South Africa, the details of which and his earlier career being recounted herein. Of interest is the epic struggle with Rhodes to obtain complete control of the Kimberley mine in order to consolidate the claims and thus enable the mine to be worked far more efficiently than was formerly possible. Stanley Jackson, *The Great Barnato*, 1970, while conceding that the present work is the first biography of Barnato, still states that its quality leaves something to be desired because it was "hurriedly rushed into print" only a few months after Barnato's death. See also Theal and Mendelssohn. A special edition, printed on hand-laid paper and limited to 250 copies, was published but I have not seen a copy.

5380. -----1897, London

B.I.Barnato | A Memoir |...| London: Isbister And Company Limited | 15 & 16 Tavistock Street Covent Garden | 1897

The base of spine reads "Isbister" instead of C.Juta & Co." Otherwise identical.

5381 -----1897, New York

B.I.Barnato |...| New York: E.P.Dutton And Company | 31 West Twenty-Third Street | 1897

Front pl with tissue; in ribbed green cloth, blind double-rule frame on covers, gold spine title, teg, others untrimmed. Otherwise identical. This version reprinted in 1898.

5382. RAYTECH INDUSTRIES

$2.00 | Raytech/Shaw | Faceter | Handbook | [orn] | [logo] Raytech Industries, Inc. [Cover title only; Stafford Springs, CT, 1976]

Spiral wire binding: 32 p; 34 fig, with "exploded view" of the machine; 2 tab. Black paper covers; title in white & blue on front cover; company name back cover. 21.6 x 14.1 cm(8 1/2 x 5 1/2 in). $.50. JSL.

Cont: cover title; 6 chs; 3 appends. Detailed instructions on how to facet using the machine originally designed by Shaw, but actually forming a brief but fairly complete treatise on the faceter's art.

RAZUMOVSKII, GREGOR, see HAÜY,R J, 1825 & 1883

5383. REA, ALEXANDER Monograph on stone-carving and inlaying in southern India. Madras: 1906, text with 37 pls. Not seen.

5384. READ, BERNARD E & PAK,C A compendium of minerals and stones used in Chinese medicine... compiled by B.E.Read... and C.Pak... *Peking Society of Natural History Bull*, 3, part 2, 1928, vii, 120 n. $1.50. Not seen.

5385. -----1936, 2nd edit

A Compendium Of | Minerals And Stones | Used In Chinese Medicine | From The | Pen Ts'ao Kang Mu [same in Chinese characters] | Li Shih Chen [same in Chinese characters] | 1597 A.D. | compiled by | B.E.Read [same in Chinese char] and C.Pak [same in Chinese char] | (Henry Lester Institute of Medical Research, Shanghai) | [rule] | Second Edition, 1936, | Published by the Peking Natural History Bulletin | [rule] | Price: Chinese National $1.50 (in foreign countries $1.75) | Sales Agent: The French Bookstore, Grand Hotel de Pékin, | Peiping, China.

8°: [1], viii, 98 p. My copy in cloth; probably in printed wrap originally edge-sewn. 25.5 x 18.1 cm(10 x 7 1/8 in). Cut. JSL.

Cont: tp; tab cont; pref; 1st edit pref; biblio(p v-viii, 92 entries); text in 5 sects; Chinese terms index; Engl index.

Annotated extracts from *Pen Ts-ao Kang Mu*, a compilation by Li Shih Chen of all that was known by 1597 of animal, vegetable, and mineral productions, including gemstones, useful in medical applications. Volumes 8 to 12 of this celebrated encyclopedia deal with mineral products. The authors of the present work examine old & new names of substances in attempts to establish their identities. Sect 1 treats metals and metallic compounds, 2 treats gemstones, 3 & 4 treat a variety of stones, earths, rocks, etc, while the last section treats salts. Among gemstones, p 15-26, are jade, varieties of crystalline and chalcedonic quartz, malachite, coral, corundum, golden beryl, cat's-eye chrysoberyl, garnet, glass, lapis lazuli, mica, and the sand used for cutting and polishing jade. Additional ornamental

stones are described in other sections. Each section is preceded by a table of the substances, giving the names in Chinese, phonetic equivalents, and English names. Amplifying information is added by the authors with remarks of other authorities. Very scarce. Hansford, *Chinese Jade Carving*, p 135.

5386. READ, Sir CHARLES HERCULES(1857-1929)
XIX.- On an ancient Mexican headpiece, coated with mosaic. *Archaeologia*, London, 54, 1895, 283-98, Pl 28(in col), 6 fig. Describes a headpiece or helmet made of wood that has been encrusted with thin slices of turquoise, malachite, pearl shell, and pink shell. A splendid object, shown effectively in the color plate. Several other artifacts are also described and depicted in the wood engravings of the text: a skull, a sacrificial knife, mask, plaque, pendant, and a serpentine breast ornament, all made in whole or part from similar materials. In the journal, this article is followed by a short contribution by F W Rudler on the source of turquoise used by Mexican craftsmen. Read was a noted British antiquary and art connoisseur, sometime Keeper of Antiquities in the British Museum, London.

5387. READ, PETER G
Gemmological | Instruments | their use and principles of operation | Peter G.Read, CEng, MIEE, MIERE, FGA, FISTC | Former Technical Manager of Diamond Trading Company | (Pty) Ltd | (De Beers Central Selling Organisation) | Newnes-Butterworths | London-Boston | Sydney-Wellington-Durban-Toronto [1978]

16°: [19], 227, [13 advert], [6 blank]p; 146 fig, 12 tab. Mottled green cloth-type paper over bds; gilt spine title. Blue--green, dec dj; resume, vita, other bks of publ. 21.6 a 13.8 cm(8 1/2 r 5 1/2 in). Cut. LC 77-30649; ISBN 0-408-00316-2. JSL.

Cont: 1/2tp; tp; publ data; pref; tab cont; ackn; dedic; 14 chs; mfr & supplier list; tabs; index; adverts; 6 blank p.

This is the first book exclusively devoted to gemological instruments. These are introduced in the order of the steps normally taken in the identifying process, that is, and aside from the first chapter dealing with the properties of gemstones, instruments & accessories used in preparation and handling of gemstones, inspection aids, dichroscopes & other color assessment aids, refractometers & other RI methods, etc. Describes and explains uses of all the standard devices but includes some that have been recently developed. Great care is taken to describe all instruments with the result that the text resembles a manufacturer's catalog and the beginner, forced to choose among the bewildering variety of products, finds virtually no guidance from the author who refrains from making strong recommendations.

5388. -----1983, 2nd edit
Gemmological | Instruments - 2nd edition | their use and principles of operation | Peter G.Read, CEng, MIEE, MIERE, FGA | Butterworths | London Boston Durban Singapore Sydney Toronto Wellington [1983]

16°: [11], [1 blank], 328 p(p 310-28 adverts); 210 fig, 10 tabs, Dk blue leather-type paper over bds, silver spine title. 21.3 x 13.6 cm(8 3/8 x 5 3/8 in). Cut. ISBN 0-408-01190-4. $39.95. JSL.

Cont: 1/2tp; dedic; tp; publ data; prefs; taL cont; 16 chs; appends; index; index to adverts; adverts.

Adds a chapter on thermal-conductivity diamond testers, another on experimental gem test equipment and a short section on photomicrography, and in various places, values expressed in USA dollars as well as British pounds. Now incorporates discussions of comparative merits of instruments but "comments are necessarily limited to those items of equipment which have been made available for testing." Rev *J Gemm*, 19, 1, 1934, 70; *JCK*, 152, 1, 1981, 300.

5389. -----1980
Beginner's | Guide to | Gemmology | [rule] | Peter G.Read | Newnes Technical Books [London: Butterworth & Co Ltd, 1980]

Cementb; [6], 234p; 2 col photos on glossy f; 46 photos; 43 line drawings; 8 tab. Pale turquoise-blue wrap, title & cut gem on cover in dk blue & white; similar spine title; back cover resume. 18.6 x 12 cm(7 3/8 x 4 3/4 in). Cut. ISBN 0-408-00455-X. $9.95. JSL.

Cont: 1/2tp; list of other guides; col pl; tp; publ data; pref; tan cont; 12 chs; 4 appends; index.

Condensed yet comprehensive introduction: gemstone properties, crystallography, organic materials, synthetics and simulants, with appendices on inclusions, constants, bibliography(19 entries), and notes on examinations that the reader may expect when he strives to win the Preliminary Diploma of the Gemmological Association of Great Britain. Rev F H Pough, *JCS Book Club News*, Spring 1982, "fine introduction;" *Gems*, 12, 5, 1980, 44; *Austral Gemm*, 14, 6, 1981, 144.

5390. -----1981
Questions & Answers | Gems | P.G.Read | Newnes Technical Books [Borough Green, Sevenoaks, Kent: Newnes Technical Books, 1981]

Cementb: [7], [1 blank], 107, [5 blank]p; 25 fig. Black & col wrap, red & white gem on cover, title in red & white; back cover resume. 16.5 x 11 cm(6 1/2 x 4 3/8 in). Cut. £1.95. ISBN 0-408-00546-7. JSL.

Cont: 1/2tp; other bks in series; tp; publ data; pref; tab cont; text; 3 appends; index; 5 blank p.

Written to provide the answers to questions frequently asked the author after lectures or talks. Categories: origin of gemstones, color, chemistry, properties, crystallography, optics, luminescence, electrical properties, lapidary treatment, organic gemstones, imitations, simulants and synthetics. Appendices: biblio(p 83-4, 8 entries), table of constants, gemstone characteristics & sources.

5391. -----1982
Dictionary of | Gemmology | P.G.Read | Butterworth Scientific | London Boston Sydney Wellington Durban Toronto [1982]

16°: vi, 240, [2 blank]p; 100 fig(photos & line drawings). Blue, leather-type paper over bds; silver spine title; pale blue endp. Black dj, with col photo on front cover; flap resume & vita, other bks of publ. 21.5 x 13.8 cm(8 1/2 x 5 3/8 in). Cut. £ 15.00; USA $34.95. ISBN 0-408-00571-8. JSL.

Cont: 1/2tp; dedic; tp; publ data; pref; text; appends; blank f.

Compiles many hundreds of terms from abalone to zylonite, and with text figures sprinkled throughout. Notable features: inclusion of gemological societies and organisations as well as many gemological instruments and accessories with the names of their inventors or manufacturers. The appendices treat balances, color & clarity grading of diamonds, sorting standards for rough

diamonds, making gem storage papers, a dispersions table, units of measurement table, elements table, and a table of the fluorescence of principal gemstones. Rev *J Gemm*, 18, 5, 1983, 445.

5392. READER'S DIGEST SERVICES PTY LTD, SYDNEY, AUSTRALIA

Guide to | Australian gemstones | Reader's Digest Services Pty Ltd, Sydney [col cut gem on tp; 1976]

P [2]:" Text: Richard Beckett and Oliver Chalmers."

Centerstapled: 52 p; 58 col photos; 12 col sketch maps; 4 fig. Col photo paper wrap, cover title. 18.7 x 12.2 cm(7 3/8 x 4 7/8 in). Cut. ISBN 0 909486 36 0. JSL.

Cont: tp; publ data & credits; tab cont; text; gloss.

Handsome booklet for the beginner: brief chapters on general gemology, making a collection, gemstone minerals, identification, gold prospecting, gemstone areas of Australia(on map), collecting equipment, field etiquette, glossary. Illustrations generally good quality. Greatly simplified maps merely outline areas and are useless for pinpointing localities.

5393. REAL, FERNANDO

Direcção Geral De Minas E Serviços Geológicos | Serviços Geológicos | [orn] | Memória N° 5 (Nova Serie) | Intrusões Kimberlíticas | Da Lunda | Contribuição Para O Conhecimento | Do Karroo De Angola | Por | Fernando Real | Geológo da Companhia de Diamantes de Angola | Lisboa | 1959

2°: 118, [1], [1 blank], [2 advert]p; 11 fig, 32 photo figs on 32 bound-in glossy f betw 116-7; geol maps in back cover pocket; fold stratigr diagram betw p 56-7. Thick, tan, print wrap, 33.5 x 24.7 cm(13 1/8 x 9 3/4 in). LC 68-27268. JSL.

Basement and Karroo rocks in Angola, tectonics, the kimberlites, mineralogy, diamondiferous mineralization, diopside indicator, crystal forms & features of diamond crystals, diamondiferous sediments, conclusions. Biblio p 115-6, 54 entries.

5394. REAM, LANNY R

Gems and Minerals | Of | Washington | A Collectors' Reference | By | Lanny R.Ream | Introduction by Susan Cedarleaf | © copyright 1977 | JAX Products | 1550 Union Ave. N.E. | Renton, WA 98055

Cementb: [8], 202 p; 88 photos, 26 sketch maps. Black wrap, white title & col photo on front; spine title; 2 col photos back cover. 21.2 x 13.6 cm (8 1/4 x 5 3/8 in). Cut. $5.95. JSL.

Cont: captions to cover photos(inside front cover); 1/2tp; tp; dedic & ackn; author portr; introd; text in 2 parts; biblio p 199-200, 38 entries; locality index.

Part I, p 1-85, with much on chalcedonic quartz varieties, esp petrified woods and banded agates(to p 48); remainder describes and gives trip directions for sources of corundum, garnet, hematite, jade, obsidian, opal & opalized wood, rhodonite, thulite, and zeolites. Part II is on specimen minerals. Adequate photos but some are dim.

5395. -----1985, revised

Gems and Minerals | Of | Washington | By | Lanny R.Ream | Introduction by Susan Cedarleaf | Jackson Mountain Press | P.O.Box 2652 | Renton WA 98056 | © Copyright 1985 | ISBN 0-918499-00-3.

Cementb: [6], 217, [1 blank]p; 99 photos & maps. Similar wrap but front cover includes new price and back cover the ISBN, 20.9 x 13 cm(8 1/4 x 5 1/8 in). Cut. $7.95. JSL.

Entirely reset; update note on p 198; includes new information & localities; 11 new specimen photos; biblio p 211-2, several new entries; with list useful addresses, other bks of publ; last p acknowledges usefulness of Bart Cannon's similar book, which see.

RÉAUMUR, RENÉ ANTOINE FERCHAULT DE(1683-1757)

Celebrated Fr naturalist, physicist, physiologist; educ Jesuit colls Poitiers, Bourges, also Paris; mbr Fr Acad Sci; noted for many researches, esp mfr of porcelain, metallurgy iron, digestion of birds, etc.

5396. -----1715 Observations sur les mines de turquoises du royaume, sur leur nature et la manière dont on leur donne la couleur. *Mém acad Sci Paris*, 1715, 174-202, pls VII-IX. J E Pogue, *The Turquoise*, 150; Fischer Von Waldheim, *Essai sur la turquoise*, 1816. Established that certain so-called turquoises (odontolites) were actually stained fossil teeth.

5397. -----1719 Observations sur le coquillage appelé Pinne marine, ou nacre de perle; à l'occasion du quel ou expliqué la formation des perles. *Mém Acad Sci Paris*, an 1717, 1719, 177-94, pls V-Vl. Not seen.

RECHENBERG, ADAM, see SPENER, J J

5398. RECKER, K Zur künstlichen Herstellung von Sckmucksteinen. *Zs Dt Gemm Ges*, 22, 4, 1973, 145-78, 18 ill, 5 tab, 132 refs. Inportant survey all methods gemstone synthesis & means for doing so.

5399. REDMAN, WILLIAM The Jewellers' Guide. First edit not seen.

5400. -----1883, new edit

The | Jewellers' Guide | And | Handy Reference Book. | [orn rule] | New Edition | By | William Redman. | [orn rule] | Bradford: Printed By Bottomley Bros., Hope Street, | 1883.

8°: 96, [2 advert]p + insert betw p 88-9 of [4] unnumb pages not incl in pag; print ackn slip tip-in facing p 56; 1 fig; 6 tab; large tab of hallmarks; ch orns. Brown cloth, black ruled frame on cover enclosing title & floral medallion in black; blind frame & medallion back cover; gold spine title. Dull gray-brown endp. 18.1 x 12.1 cm(7 1/8 x 4 3/4 in). Aeg. JSL.

Cont: tp; pref; text; index; ackn; advert.

Contains much useful information but poorly organized and without a table of contents. Text begins with a discussion of diamonds and emeralds, which information appears to be based on similar material in E W Streeter's *Precious Stones and Gems*, to which Redman refers, followed by a lengthy section on gold, and that inexplicably followed by sections on more gemstones as jasper, ruby, sapphire, also lapidary work, gemstone commerce, more on diamonds, prices of cut diamonds, other gemstones, pearls, again more on diamonds, then gold, coinage, assaying charges, etc. The insert of 4 pages mentioned above includes additional information on hallmarks and a list of 26 famous diamonds with weights and estimated values. The following revision is just as confusing in its organization.

5401. -----1883, new edit(rev), Bradford, with identical title

8°: 74 p + p 74A-74D + p 75-96 + 16 append p + [2] advert p; also contains inserts or above. Similar binding but back cover plain. JSL. The additional pages contain London hallmarking date letter tables, while the appendix contains explanations, corrections, notes on hallmarking, gold coins of the world, an essay on "The Life of a Coin" by Prof W C Roberts, note on gold bullion, and advice on how to test a diamond.

5402. REECE, NORINE C

The | Cultured Pearl.... | Jewel Of Japan | by Norine C.Reece | Charles E.Tuttle Company | Rutland, Vermont & Tokyo, Japan [1958]

4°: 107, [1 blank]p; 18 col, 20 b&w photos, col map, col diagram tip-ins & includ in pag. Pale gray charcoal-type paper over bds, silver & blue panel on front with pearl oyster; silver spine title. Nacreous-finish endp. Col dj, resume, vita on flaps; other bks back cover. 18.2 x 12.7 cm (7 1/8 x 5 in). LC 58-12285. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; tab cont; pls list; fwd; text tp; 10 chs; epilogue; blank p.

Written for the general public in an interesting yet fully accurate manner and handsomely illustrated. Topics include the natural history of the Japanese culture-pearl oyster, farming, harvesting, culturing process, removing pearls, cleaning, grading, etc. Includes practical advice on pearl quality, purchases, and care of pearls. Reprinted several times.

REECE, N C, see BAUER, M, *Edelsteinkunde*, 1969, facsimile edit

5403. REED, WILLIAM

William Reed | Pearl | Oysters | Of Polynesia | Société Des Océanistes Paris Dossier 15 [Wrap cover title only; 1973]

Centerstapled: 30, [2]p; 36 photos, 1 drawing, 1 graph. Front cover black with col photo of oyster shell & pearls; back cover pale green with pearling motifs on postage stamps. 19 x 14 cm(7 1/2 x 5 1/2 in). JSL.

Cont: cover title; introd; text; biblio(p 31, 13 entries); publ data; list of "dossiers for Tahiti" inside back cover. Wraps not includ in pag.

Brief, authoritative account of the history, development, and current status of pearl oyster fisheries of French Polynesia. The fisheries were begun in early 19th century and currently are of world-importance for providing splendid pearls as well as shell. There are excellent accounts and illustrations of fishing and processing, with captions in French as well as English, but with text entirely English; a French version was issued but was not seen.

5404. REGER, KARL HEINZ

Karl Heinz Reger | Perlen | aus bayerischen Gewässern | Hugendubel

P [4]: "Heinrich Hugendubel Verlag, München 1981"

Cementb: 143, [1 blank]p; 52 ill(incl 3 maps, many letters, print facsimiles). Glossy green paper over bds, col photo & title with small inset photo on cover; white spine title. 20 x 17.4 cm(8 7/8 x 6 7/8 in). Cut. ISBN 3-88034-063-3. JSL.

Cont: 1/2tp; front photo; tp; publ data; ackn; tab cont; text; ackn; biblio(p 142-3, 43 entries); blank p.

A remarkable work dealing with the history of freshwater pearling in the streams of Bavaria, Germany. An introductory section describes pearl-set jewels, necklaces, and other objects of ornament that are preserved in Salon 5 of the Residenz Museum in Munich, with the pearls being largely from Bavarian waters. The life history of the freshwater mussel is described, the distribution of similar mussels worldwide, distribution in Europe, its habits, reproduction, requirements for habitable water, etc. There are also excellent discourses on pearl lore, fishing methods, recovery of pearls, artificial propagation of the mussels, the present industry, and medicinal lore associated with freshwater pearl. However, the major portion of text is taken up by quotations from numerous historical documents tracing the Bavarian fishery to the early years of the 15th century, recounting the efforts of rulers to regulate the fishery, outlaw clandestine fishing, and otherwise promote an orderly commerce in pearls. There are many illustrations of old texts, maps, and other documents, but deplorably the bibliographical entries are unpaged, while the "perfection" binding chosen by the publisher is weak and probably copies will soon disintegrate.

REGNER, O F, see BATTKE, H, 1963

REICHEL-DOLMATOFF, G, see SELIGMAN, D H

REICHELT, H, see OLDENBURGISCHEN INDUSTRIE...IDAR

REICHSVERBANDES DEUTSCHER JUWELIERE, etc, see OLDENBURGISEHE INDUSTRIE, etc.

5405. REID, WILLIAM ALFRED Pearls in the Americas. *Commodities of Commerce*, Pan American Union, Washington, DC, Serial No 12, 1927, 23 p. ill. Not seen.

5406. REIDENBACH, KARL-THEO

Achatschleiferei und | Wasserschleifen am Idarbach | Karl-Theo Reidenbach [Idar-Oberstein: Raiffeisenbank Idar-Oberstein 3, 1986]

8°; 192 p; 65 photos, 43 maps, 2 facs, Green paper over bds, agate mill in white with black title on cover; black spine title, 20.8 x 14.8 cm(8 1/4 x 5 3/4 in). Cut. ISBN 3-923824-19-X. JSL.

Cont; tp; publ data; tab cont; fwds(2); text; biblio(p 188-9, 29 entries); remarks; append.

A very thorough history of the water-powered agate-cutting lapidary shops installed along the Idar Brook, from Oberstein thence upstream to near Allenbach, and depicted in numerous photographs and with maps showing locations. The preliminary text describes the early lapidary industry, the installations and operation of the mills, local agate mining, conversion to cutting agate imported from Brazil and revivification of the industry thereby, the worker and his lot, and with much on the buildings themselves, who built them, owners, operators, and the types of work accomplished in each establishment. Bibliographic entries lack paginations.

5407. REIMERS, TOBIAS (d 1716)

Disputatio Juridica | De | Gemmis, | Quam | Adspirante Divini Numinis Gratia | Indultu Ac Consensu | Magnifici

Jctorum In Academ. | Viadrina Ordinis, | Praeside | Dn Tobia Reimers/J.U.L. | Publica Eruditorum Disquisitioni | Placide Submittit | Iohannes Klein/Rostoch. | Autor Et Resp. Die Octobr. Anno M DC LXXIX. | In Auditorio Jctorum Horis | Consuetis. | [rule] | Gustraviae, | Impensis Joh.Michael Rudigeri, Anno 1705. | Disp.I.

Gustraviae = Güstrow, a city in Mecklenburg, Germany

4°: 72 p; A-I^4; ch orn, init. 20.1 x 15.9 cm(7 7/8 x 6 3/8 in). Cropped. USGS Kunz Coll, GS 33-350. Cont: tp; 6 chs.

A dissertation presented in the University of Rostock, Germany, on gemstones, written by Johann Klein(1659-1732), respondent, with Reimers as presiding officer(praeses). Discusses nature of gemstones, properties, classification, nomenclature, esteem, occurrences, lapidary treatment, engraved gems, symbolism, and uses.

REINACH, SALOMON HERMANN(1858-1932)

Fr archeol; educ École Francaise d'Athènes; prof archeol École de Louvre 1890-92; 1893 to National Museum of France, becoming dir in 1902; prolific writer, critic.

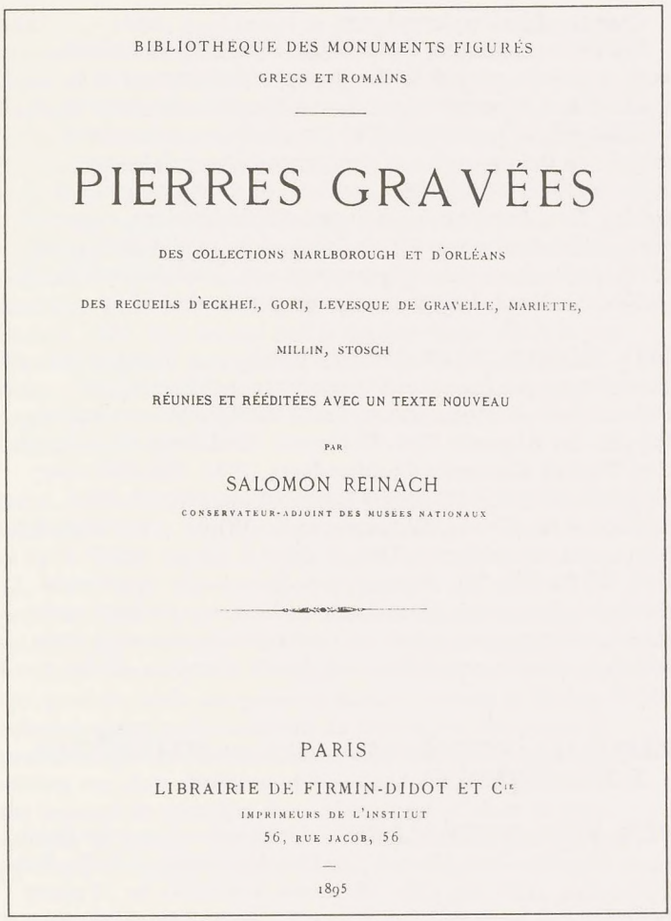
5408. -----1895

Bibliothèque Des Monuments Figurés | Grecs Et Romains | [rule] | Pierres Gravées | Des Collections Marlborough Et D'Orléans | Des Recueils D'Eckhel, Gori, Levesque De Gravelle, Mariette, | Millin, Stosch | Réunies Et Rééditées Avec Un Texte Nouveau | Par | Salomon Reinach | Conservateur-Adjoint Des Musées Nationaux | [orn rule] | Paris | Librairie De Firmin-Didot Et C^{ie} | Imprimeurs De L'Institut | 56, Rue Jacob, 56 | [rule] | 1895

4°: XV, [1 blank], 195, [1 blank]p; 137 pls, printed recto on as many bound-in f at end. Blue-tint rotograv front pl tip-in with tissue. Pale gray-tan print wrap; cover title, circular vignette; spine title; other works of Reinach back cover. 29.1 x 20 cm(11 1/2 x 7 7/8 in). Uncut. Blank f of cheap paper supplied at each end. JSL.

Cont: 1/2tp; publ data; front; tp; dedic; introd; abbrev list(biblio XIV-XV, 31 entries); 8 chs; index; pls.

In this valuable critique, Reinach provides short studies of the major engraved gem collections and the associated published works, as noted in the title above, along with remarks on the histories of the collections, their subsequent fates or dispersals, etc, supplemented by catalogs of the major gems in each and plates to illustrate same. The latter are reproduced from illustrations of the original publications. All in all, a most useful summary of the works in question, many of which may not be readily accessible to students of engraved gems. Reinach criticizes each work, and provides useful additional detail which he has been able to unearth from other sources, thus providing a fund of knowledge which would be difficult to match elsewhere, at least insofar as the specific works named above are concerned. One chapter treats each of the following: the Vienna collection by Eckhel, p 1-9, the gems in Florence by Gori, 10-71, Levesque De Gravelle's work, 73-83, Mariette's famous treatise, 85-110, the Marlborough gems, 111-21, Millin's book, 123-30, the Duke of Orleans collection, 131-45, and, lastly, the Stosch gems, 147-84. The pls are good where the originals were engraved in line, but only fair where a photograph was used. The frontispiece is excellent. Abundantly footnoted.



BIBLIOTHEQUE DES MONUMENTS FIGURÉS

GRECS ET ROMAINS

PIERRES GRAVÉES

DES COLLECTIONS MARLBOROUGH ET D'ORLÉANS

DES RECUEILS D'ECKHEL, GORI, LEVESQUE DE GRAVELLE, MARIETTE,

MILLIN, STOSCH

RÉUNIES ET RÉÉDITÉES AVEC UN TEXTE NOUVEAU

PAR

SALOMON REINACH

CONSERVATEUR-ADJOINT DES MUSÉES NATIONAUX

PARIS

LIBRAIRIE DE FIRMIN-DIDOT ET C^{IE}

IMPRIMEURS DE L'INSTITUT

56, RUE JACOB, 56

1895

5408. In this work on engraved gems, Reinach provides sketches of famous collections and reproduces figures from original works

5409. -----1899 Le corail dans l'industrie celtique. *Revue Celtique*, 20, 1899, 13-19, 117-31. Not seen.

5410. REINBECK, EMIL

Taschenbuch der Edelsteinkunde, | eine | Monographie zur praktischen Belehrung | über diese | wichtigsten Erzeugnisse des Mineralreichs. | Nebst | einer Abhandlung über die Fundorte, den Werth und die | richtige Taxation der echten Perlen und Korallen. | Als Leitfaden | für Mineralogen und Bergbaubeflissene, Steinschneider, | Edelstein= und Juwelenhändler (Joailliers),Bijouterie=Fa= | bricaten, Juwelier= und Goldarbeiter, so wie für alle Die= | jenigen, welche sich über die Eigenschaften und den Werth | der edeln Steine unterrichten oder Raths erholen wollen, um | sich beim Ankaufe derselben vor Täuschungen, Uebervor= | theilungen und Schaden bewahren zu können. | Von | Dr.Emil Reinbeck. | [orn rule] | Naumburg und Leipzig, | Verlag von Louis Garcke. | 1858.

8°: 126 p. Brown cloth, embossed blind orn frames on covers; black or originally gilt(?) title & floral orns, rules on spine. 18.1 x 11.5 cm(7 1/8 x 4 1/2 in). Cropped. Traces of yellow paper suggest original issue in print wrap. JSL.

Cont: tp; blank p; introd; text.

Printed in small type, this rare and completely unnoticed work contains a great deal of gemological information of a standard sort. It stresses the human rather than the technical or scientific side of the subject. The introduction provides brief remarks on the properties of gemstones in general, lapidary treatments and cutting styles, methods of setting cut gems in jewelry, flaws & inclusions, imitations & falsifications, engraved gems, and lore of gems. This is followed by an alphabetical list of 77 species & varieties of gemstones with brief descriptions of each, and succeeded by two essays on pearl and coral.

5411. REINER, PAUL(1886-) Beiträge zur Kenntnis der Turmalingruppe. Inaugural Dissertation zur Erlangung der Doktorwürde der hohen naturwissenschaftlich-mathematischen Fakultät der Ruprecht-Karls-Universität Heidelberg. Heidelberg: Carl Winter's Universitätsbuchhandlung, 1913. *Verhandl naturhistorisch-medizinischens Vereins zu Heidelberg*, NF, 12, 1913, 261-318, 4 fig, 21 tab. Also separate: 8°: [5]p + p 262-318, also [6]p + p 1-27. 24.5 x 16.7 cm (9 5/8 x 6 5/8 in). USGS Kunz Coll, GS 34-558; JSL. Suggests new formulas for members of the tourmaline group, gives 3 new analyses, morphology versus chemical composition, results of optical studies including determinations of refractive indices and double refraction. Biblio, p 263-4.

REINWALL, STEINBüCHEL VON, see STEINBÜCHEL VON REINWALL

5412. REIS, ESMERALDINO Os grandes diamantes Brasileiros. *Dept Nac Prod Mineral, Div Geol Mineralogia Bol* 191, Rio De Janeiro, 1959, 65, [2]p; 50 photos & sketches on 23 glossy bound-in f; 1 large fold sketch map Brazilian diamond districts; tabs. Thick, pale red-orange printed wrap, cover title. 22.7 x 16.2 cm(8 7/8 x 6 3/8 in). Cut. LC 61-45322. JSL.

Very important bulletin summarizing data on the larger Brazilian diamonds with the first part providing a short history of diamond mining in Brazil, with descriptions of geology & mineralogy of deposits, bort & carbonado varieties, terminology used by miners and others connected with the industry in designating varieties of diamond. The second part describes large diamonds with details on size, shape, weight, cut, value, disposition, etc, illustrated with many photographs of rough & cut stones and sketches made by Reis from rough crystals.

5413. REIS, OTTO M über Blasenentstehung in Gesteinen und Über Achatbildung. *Geognostischen Jahresh, Geogn Untersuchung Bayerischen Oberbergamtes*, München, Jg 39, vols 29 & 30, 1919, 7-44, 7 figs. JSL. Also separate: [2] + 44 p; pale gray print wrap. On the origin of gas cavities in rocks and on the formation of agate, with an appendix on occurrence of barite in agate nodules, the intergrowth of calcite/agate in nodules, and enhydros. Interesting & useful observations on the unresolved problem of agate formation.

5414.-----1919 Einzelheiten über Bau und Entstehung von Enhydros, Kalzitachat und Achat. Ibid, 81-298, figs, pls 3-6. Not seen. Another source gives "München, Piloty und Loehle, Part 1, 298 p; Part 2, 92 p."

5415. RELPH, R E The White Cliffs opal field, New South Wales. *NSW Dept Mines Tech Rpt*, vol 7, 1959, 7-18, 2 sketch maps, 4 cross-sects on pl.JSL. Brief history of mining, geology, paleontology, mining areas, occurrence of opal, color play, production statistics from 1890-1944 inclusive. The sketch maps are a broad view of the diggings and the "Blocks" area, immediately north of the White Cliffs postoffice.

RÉMUSAT, JEAN-PIERRE-ABEL(1788-1832)

Fr physician, orientalist; student of language, literature of China; publ works on Chinese language, history, grammar, etc; prof Chinese & Manchu Coll of France, Paris; overseer oriental mss Bibliothéque Imperiale. *Biogr Univ* 78, 443-50.

5416. -----1820

Histoire | De La Ville | De Khotan, | Tirée Des Annales De La Chine | Et Traduite Du Chinois; | Suivie de Recherches sur la substance minérale | appelée par les Chinois Pierre De Iu, et sur | le Jaspe des anciens. | Par M.Abel-Rémusat. | [logo] | A Paris, | De L'Imprimerie De Doublet, | Rue Gît-Le-Coeur, N° 7. | 1820.

8°: [3], [1 blank], XVI, 239, [1]p. 17.3 x 10.8 cm(6 7/8 x 4 1/4 in) but severely cropped. JSL.

Cont: 1/2tp; tp; dedic; pref; text in 2 parts.

In the preface to this remarkable and valuable work, Rémusat explains his scheme of presentation and additionally furnishes a brief history of modern Khotan, or Hotien in Chinese, its location and geography, remarks on previous writings concerning this oasis town in SW Sinkiang, located 160 miles SE of Yarkand, and a vague reference to the Chinese original from which the first part of the text is translated(see Hansford's note below). Thus the first part of text takes up the history of Khotan from the Han Dynasty to end with the Ming. However, the second part is of far greater interest to the student of jades because of the raw nephrite found in the form of pebbles in the streams around Khotan, and under the name "pierre de Kasch," or "antique jasper," distributed throughout Asia since earliest times.

Rémusat's discussion is largely etymological in its attempt to trace the real name or names applied to the nephrite jade by sifting through an enormous number of terms believed to have been applied to the same material, or perhaps other dense types of rock in various countries by various peoples and at various times, thus clearing up the confusion that has attended the identification of the true jade of ancient China. Many accounts of travelers into China are cited, including Marco Polo for one, and what they had to say about nephrite. Similarly, Remusat cites his own contemporary scientists who provide clear-cut identification of Khotan nephrite, eg, Klaproth and Cordier. Virtually nothing is said about the collection of pebbles or mining in situ although several sources are identified and the color-ranges of the materials described. Much space, in contrast, is devoted to tracing early statements that inferred that the fabled murrhine vases of antiquity were made from nephrite, but Rémusat concludes that they were not. In a brief section at the end, Rémusat concludes "the names *iu, kasch,* and *jaspe* are three forms of the same name, designating a substance valued at a high price in Asia... the substance is our oriental jade, its source is the Himalaya Mountain... furthermore, it is today an object of commerce of which the principal mart is Khotan"(p 238-9). Rémusat's treatise is enthusiastically supported by H Fischer in

HISTOIRE

DE LA VILLE

DE KHOTAN,

TIRÉE DES ANNALES DE LA CHINE
ET TRADUITE DU CHINOIS;

Suivie de Recherches sur la substance minérale appelée par les Chinois PIERRE DE IU, et sur le JASPE des anciens.

PAR M. ABEL-RÉMUSAT.

A PARIS,

DE L'IMPRIMERIE DE DOUBLET,
RUE GÎT-LE-CŒUR, N°. 7.

1820.

5416. Perhaps the first useful monograph on the jade from Turkestan and discussing its identity as a mineral

his *Nephrit und Jadeit*, 1880, who says it is "by far the most important [work] that the literature on the oriental historical relations of jade has yet furnished"(p 189). Additionally, Hansford, *Chinese Jade Carving*, 1950, p 36-7, notes that the source of the translation mentioned above was the *Yu-t'ien pu* and that "strangely, the translator did not disclose the identity of his original, referring to it in his introduction merely as the LVth book of a luminous collection, in which have been assembled all the facts relative to foreign nations, arranged chronologically according to the dynasties under which were contacts with these nations" and "consequently, many later writers who made use of the valuable *Histoire* have been unaware of its actual source." As implied by Hansford, this is the first useful monograph on Chinese jade and the basis for any serious research in the subject. Unfortunately it is quite rare and deserves reprinting, which has been done in part as described below. It is not known if Rémusat collected jades, but if he had, these may have been dispersed through sale via the "Catalogue de Curiosités Remarquables... provenant en partie du Cabinet de feu M.Abel Remusat," 8°: 30 p, 248 lots, issued in Paris by Lavialle in 1833.

5417. -----1980, Engl transl in part. A research study on the mineral substance which the Chinese call "yu" stone, and on the jasper of antiquity. *Bull Friends of Jade*, Wallington, Surrey, England: Friends of Jade, Robert L.Frey, Edit, vol 1, no 1, Fall 1980, p 1-50. Centerstapled: [5], [1 blank], 50 p; white paper print wrap, black cover title with pale green yu symbol in a circle in lower right corner. 29.8 x 21 cm(11 3/4 x 8 1/4 in). JSL. Cont: tp; dedic; pref; Fr title to the work; text.

In his preface, Frey notes that "initially we have chosen to translate from the French, with annotations, the second half of Abel-Rémusat's Histoire De La Ville De Khotan, published in Paris in 1820. This second half is the first major effort in any Western language for research, albeit mostly literary, on the Subject of jade." The translation occupies 40 pages of text with pages 40-50 containing 139 footnotes. Translated by R Baldassarre. Born, 1982, 36.

5418. RENARD, ALPHONSE FRANCOIS(1842-1903) & KLEMENT, C Sur la composition chimique de la krokydolite et sur le quartz fibreux du Cap. *Bull Acad Roy Belgique*, 3. ser, 8, 11, 1884, 20 p. Also separate in plain wrap. JSL. Reviews previous work on the tiger-eye of South Africa, including chemical analyses, microscopic features, etc, and then suggests that the brownish fibrous quartz is a mixture of colorless fibrous quartz and goethite, while the greenish material consists of fibrous colorless quartz and crocidolite. In both types, the quartz is pseudomorphous after crocidolite, with the brown type representing complete alteration of the crocidolite, and green or blue the incomplete alteration. Renard was prof of chem & geol Louvain U, curator Roy Mus Nat Hist, Brussels, prof mineralogy Ghent U; received Bigsby Medal, Roy Geol Soc London.

RENNER, L, see BERGE, V & LANIER, H W, 1930

5419. RENTON, EDWARD W Intaglio engraving: past and present. By Bro.Edward Renton... London, Imprynted by Bro^{r} C.W.H.Wyman, 1885. 73 p, includ diagrs; col front; illus; 3 pls(1 col); 14 1/2 x 11 1/2 cm. (Half-title: Privately printed opuscula issued to members of the Sette of odd volumes. no. VIII). "This edition is limited strictly to 200 copies, and is imprynted for private circulation only. no.44." "An address delivered at the Freemason's tavern, on Friday, December 5, 1884." Not seen; from LC 17-17228.

5420. -----1896 edit

Intaglio Engraving | Past And Present By | Edward Renton | [logo] | London | George Bell And Sons | 1896 [title in red & black]

8°: xii, 117, [1], [2 blank]p; 4 tip-in glossy pls(one is doublep) in sepia monochrome(5 f in all); 11 text figs; 15 fullp ill of engrav gems; tailpc. Stiff, white plain paper wrap, with thin over-wrap printed with green & red floral bands with title in a rect red-bordered frame. This outer wrap is exceedingly thin, easily torn, and often missing. 17.3 x 10.4 cm (6 3/4 x 4 1/8 in). Cut. JSL. Also in hardcover, ivory-white leather-type paper over bds, pale yellow, dull-finish endp, gold title on cover & spine. 17.8 x 10.8 cm(7 x 4 3/8 in). Uncut. Pls differ in placement: tip-in front pl with tissue(originally one of the tip-in double-f pls) + 4 other tip-in pls; other ill same. JSL.

Cont: 1/2tp; publ data; front; tp; print data; pref; tab cont; ill list; text in 2 parts; print data; blank f.

Clearly and delightfully written discourse on engraved gems which is chiefly valuable for its practical information on the equipment and methods of the gem engraver and based on the author's own practice of the art. The first part is a concise history of the art throughout the ages with remarks on seal cylinders, famous gems and their engravers, later developments in the art, especially among Mediterranean cultures, modern work and modern artists, and collectors and collections. The second part is practical and describes the techniques and tools used by modern engravers, it being notable that the author was "extremely fortunate from the fact that my grandfather, my father, and two of my uncles were all experienced Intaglio engravers," thereby enabling this work to be written with the requisite authority. Renton tells how the engraver commences his work, the tools he uses(illustrated), and the manual movements he employs to carve away the stone. He also describes in considerable detail his own successful attempt to engrave a diamond to dispel the widely-held notion that this gemstone in unengraveable. The tinted plates depict cylinder seals, modern seals, and engraved gems, but the latter are better shown on the 15 fullpage illustrations, each with one gem, considerably magnified. A valuable work and providing some help to the beginner who wishes to engrave gems, but at the same time he must understand that Renton's instructions are stated only in general terms despite the impression given by him in his preface that he reveals all.

RENTON, J LEWIS, see DAKE, H C, et al, 1938

5421. RENWICK, W G

Marble And | Marble Working | A Handbook For Architects, Sculptors, Marble | Quarry Owners And Workers, And All | Engaged In The Building And | Decorative Industries | By | W.G.Renwick | Author Of "The Marble Industry," "The Working Of Marble For Decorative Purposes," Etc. | With Numerous Illustrations and Coloured Plates | [logo] | London | Crosby Lockwood And Son | 7, Stationer's Hall Court, Ludgate Hill | 1909

8°: xiii, [1 blank], 226, xxii p; there are no p i-ii, with the first gathering consisting of 2 doublef sewn-in and the next doublef tipped-in. Front photo pl tip-in with tissue; 16 col pls on 13 glossy tip-in f; 72 fig(7 on a glossy tip-in f; not incl in pag; one folds). Red, ribbed cloth, gold cover & spine titles, spine with logo. Bev bds; dk brown endp. 22.8 x 14.8 cm(9 x 5 7/8 in). Cut. All paper is exceptionally thick semi-glossy stock. JSL. GS 9-182.

Cont: front; tp; publ data; pref; tab cont; ill list; 16 chs; list of marbles in use; index; adverts.

Comprehensive, expert treatise, handsomely illustrated. Topics: properties & classes of stones, history of the industry, modern quarries & methods of work, uses of marbles, worldwide production, finishing marble objects, marble substitutes and imitations, and advice to the architect on choosing marbles. There is an extensive descriptive list of stones identifying them by their trade names, their sources, appearances, etc. Among gemstone materials are sodalite from Ontario, here called "alomite," p 114-5, with color plate VII, also alabasters, calcite onyxes, and serpentines. The book itself is unusual because of its tip-in figures, the absence of a first leaf, and tipping-in of a leaf of the preliminaries; the paper is so stiff that opening a copy tends to break the spine.

REPUBLIC OF CHINA. NATIONAL PALACE MUSEUM, see NATIONAL PALACE MUSEUM

5422. RESTROPO A, HERNÁN Reconocimiento de las minas de esmeraldas de Muzo, Departamento de Boyaca. *Serv Geol Nac, Bogotá, Bol Geol* vol 7, nos 1-3,1961, 61-84, 3 pls(maps). JSL. Examination of the Muzo emerald deposits, their geographic situation, means of communication, mining history, past studies of the geology, general geology, economic geology, emeralds of Muzo and Coscuez, beryl prospecting, recommendations. Biblio, p 82, 10 entries on Muzo, 9 others. One plate is a folding geological sketch map embracing Muzo-Coscuez; another shows specific mines, while the third shows 2 cross-sections.

5423. REUNERT, THEODORE Diamond mining at the Cape. *Proc Roy Colonial Soc*, Cape Town, 1886, 178-221, 3 pls (1col, fold); tab. Also issued separately. A general survey. See also an article of same title in NOBLE, JOHN, *Official Handbook*, etc.

5424. -----1892

Kimberley South African and International Exhibition. | [rule] | Reunert's | Diamond Mines | Of | South Africa. | [photo of 428 1/2 cts diamond crystal] | London: | Sampson Low, Marston & Company, Ltd. | Cape Town And Johannesburg: | J.C.Juta And Co. | 1892. | Registered under Copyright Act. All Rights reserved.

8°: [2 f, a double leaf, tip-in] + [10], 64, 8[advert]p; the first doubleleaf contains a map of the diamond fields and adverts, plus a bird's-eye view of the Exhibition; 8 photos on 8 tip-in f(2 f bear adverts on reverse); tip-in cross-sect Kimberley Mine; 1 fig. Bright blue cloth, 3-rule blind frame with rounded corners on covers; gold cover title. Pale yellow, dull-finish endp. 21.6 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. JSL.

Cont: advert; map; advert; tp; advert; publ pref; ill list; advert; view of exhibition; advert; text; advert.

Preface: "This contribution, specially prepared for a New Edition of the Cape of Good Hope Official Handbook, is now published with a view to furnish full and accurate information to Visitors to the Kimberley International Exhibition of 1892, respecting the marvellous Diamond Mining Industry of South Africa."

Overall, excellent account, albeit rambling and repetetive in places, with most space devoted to the pipe mines. Topics: history of discovery of diamonds and early events, transportation difficulties, regional & local geology, character of pipes, economic considerations, claim consolidation, establishment of companies, cost & production statistics, recovery of stones, descriptions of major companies and their mining enterprises. Scarce. Mendelssohn: "practically the first work of importance dealing solely with... diamond-mining in South Africa," and "there is a full description of the Kimberley, De Beers, Dutoitspan, and Bultfontein mines up to the consolidation of the industry... some particulars are given respecting the purchase of the Wesselton mine by the De Beers Company, together with details of properties outside the amalgamation, Jagersfontein, and other Free

State mines, and some of the more unimportant and at present unpayable propositions surrounding Kimberley."

5425.-----1892, Fr transl Les mines du diamant du Cap, traduit de l'anglais par M.J.Montmort, suivi d'une étude minéralogique par M.Couttolenc. *Bull Soc d'Hist naturelle Autun*, 5, 1892, 95-151, pl. Not seen.

5426. -----1893 The diamond mines. See NOBLE, JOHN, Illustrated Handbook of the Cape, etc.

5427. -----1893

Diamonds And Gold | In | South Africa. | By | Theodore Reunert, | M.Inst.M.E.; Assoc. M.Inst.C.E. | With Maps And Illustrations. | J.C.Juta & Co. | Cape Town [vertical rule] Port Elizabeth | And Johannesburg. | 1893. | Registered under Copyright Act. All rights reserved.

8°: xvi (first 2 p blank), 242p; 32 ill(includ fold map of diamond fields tip-in, fold map Witwatersrand tip-in, 4 text fig, 26 fullp ill on own, tip-in f). Red, ribbed cloth, blind frames on covers, gold title front cover & spine; blind logo back cover. Yellow, dull finish endp. 21.6 x 13.7 cm (8 1/2 x 5 3/8 in), Cut. LC 6-19516. JSL.

Cont: blank f; 1/2tp; print data; tp; dedic; pref; ill list; tab cont; text tp; fold map; 3 parts text; index; fold map.

Up to p 77, the end of the first part, Reunert largely reproduces the contents of his *Reunert's Diamond Mines*(see above) but with considerable additions of new information & statistics to bring all of it up to date. As before, it is a very useful respected survey of the diamond industry. The second part describes the gold fields and incorporates contributions from other authors to make this part more complete. The third part contains 34 appendices that range through many topics: statistics on diamond exports, early history of the diamond fields, diamond mineralogy, diamond trade acts, etc but mostly dealing with matters concerning the gold mining industry. Mendelssohn.

REUNING, ERNST (1881-)

Ger geologist; PhD Giessen U 1907; explored for diamonds in coastal regions SWA. Pogg 6, 2157.

5428. -----1928 The discovery of the Namaqualand diamonds. *Min Ind Mag S Afr*, 7, 1928, 51-5, 87-91, 177-9, 219-21, 265-7, 341-56; 1929, 7, 435, 437-9. Not seen.

5429. -----1931 Der Ursprung der Küstendiamanten Süd- und Südwest-Afrikas. *N Jb Min* B-Bd 64, Abt A(Brauns Festbd), 1931, 775-828, Taf XL(fold map of deposits) + Taf XLI-XLIV, 5 fig. Also issued separately. JSL. The very important early account of the diamond-bearing alluvials along the Atlantic coastline of South and South West Africa, with Reuning's conclusions on the origin of the diamonds and the alluvial deposits containing them. The area on the map extends N and S of the Orange River mouth; plates are photos of coastal features and close-ups of gravel beds being trenched for sampling. PJ Hugo 2604.

REUSCH, ERHARD, see EBERMEYER, J M v

5430. REUSCH, F E Über das schillern gewissen Krystalle. I.Opt: Wirkungen innerer Durchgänge und Gesetze der Erscheinungen. II. Methode der Beobachtungen an schillernden Krystalle. III. Hessel's Satz über schillernde Krystallflächen. IV. Der schillernde Adular. *Pogg Ann*, vol 116(192), 1862, 392-412; 120(196), 1863, 95-118. Not seen.

5431. REUSS, A E Ueber das Vorkommen des Pyrops in Böhmen. Ein Vortrag, gehalten in der Versammlung Deutscher Naturforscher und Aerzte in Prag 1837. *Archiv f Mineralogie, Geognosie, Bergbau u Hüttenkunde*, Berlin, 11, 1838, 298-314. JSL. Describes the pyrope garnets and occurrences in Bohemia, Czechoslovakia, with details on deposits, which are all secondary(alluvial), with sections of alluvia, contents, mineral associates, and speculations on the origin of the pyropes.

5432. REUSS, JOHANN PHILIPP CHRISTIAN

Entdeckung | einer dem | Kreuz=Steine | wesentlichen | entstehungs=Art der Kreuz=Figur, | [rule] | An | Sr.Excellenz | den | Hochwohlgeborhnen Herrn | Friedrich Anton Freyherrn von Heinitz, |...[4 lines of titles]...| [woodcut orn] | [rule] | Mit einer ausgemahlten Kupfer=Tafel. | [orn double rule] | Hamburg. | Bey Johann Philipp Christian Reuss. [nd]

No author stated, but Reuss labels himself the "Verfasser" of this and several other works on inside of back wrap.

4°: 38, [2 blank]p; A-E^4. Front engrav pl. Pale grayish-blue print wrap, title in orn ruled frame on cover; other works of author in baroque frame back cover; note by author on similar works inside back cover. 24.5 x 19.8 cm(9 5/8 x 7 7/8 in). Uncut. 10Ggr. JSL.

The plate depicts a series of cross-sections of chiastolite, also several geometrical figures, and a rough schist piece with several enclosed chiastolite crystals, all of which are explained in the text, after which Reuss gives his theory that the cruciform figures of this andalusite variety are the result of infilling of cavities of corresponding shapes. This is one of the earliest attempts to explain chiastolite figures which excited wonder and admiration for many years, and whose cause is even now only tentatively suggested.

5433. REYES, ANTONIO

Antonio Reyes | La Leyenda | De Las Piedras | Preciosas | Vassallo | De | Mumbert | [logo] | Editor - Madrid [1969]

8°: 149, [3 blank]p; p [1-2] also blank; ch titles with pen-&-ink drawings of cut or rough gemstones. Thick paper wrap, black, orange & white with orn lett & dec on cover; inward fold flaps overlapping fe. 18.7 x 12.7 cm(7 3/8 x 5 in). JSL.

Cont: blank f; 1/2tp; publ data; tp; pref; introd; 11 chs; tab cont; 3 blank p.

Rambling stories centered about one Oscar Leon in Venezuela recounting adventures with interwoven bits of information on emerald, the "acerina," garnet, pearl, diamond, opal, jade, tourmaline, amethyst, beryl, and aquamarine.

5434. REZENDE, COSTA JOSE DE Memoria historica sobre os diamantes, seu descobrimente, contractos e administração por conta da real fazenda: modo de os avalier, estabelecimento de fabrica de lapidação; sua extracco e estado presente no Brasil. Rio de Janeiro, 1836, 4°: 38 p. Not seen; from A D Gonsalves *Bibliogr Brasil*, 1928, p 165.

RIBAUD, G M, see FRIEDEL, G & RIBAUD, G M

5435. RIBBE, PAUI, H (1935-) An x-ray and optical investigation of the peristerite plagioclases. *Amer Min*, 45, 5/6, 1960, 626-44, 7 fig, 6 tab. JSL. Unmixing of low temperature plagioclases on submicroscopic scale results in bluish schiller from diffusion of light around minute domains of different optical properties. See also Feldspar Mineralogy, *MSA Short Course Notes* 2, edit by Ribbe, 1975, 233 p.

5436. RIBBING, MAGDALENA

Magdalena Ribbing | Smycken | Ädla stenar, pärlor | guld, silver och platina | [logo] | an Aldus handbok [Stockholm: Bokförlaget Aldus/ Bonniers, 1969]

Cementb: 98, [2 advert]p; 61 fig; 1 double-p col photo on glossy ff. Black, thick paper wrap, col photo of diamond gem on cover; resume, publ data. 18.5 x 11 cm(7 1/4 x 4 3/8 in). Cut. 13.45 kr.

Cont: tp; publ data; tab cont; fwd; text; index; other bks of publ.

Popular description of jewelry with emphasis on modern work although antique pieces are not neglected; remarks on famous pieces, the methods of manufacture, etc. Gemstone information p 17-46, but only several important gemstones are described, along with remarks on gem cutting and pearl. The double-page plate shows faceted & cabochon gems.

5437. RIBEIRO, LUIS SABOIA Caçadores de diamantes. Río De Janeiro: Espasa, 1945, 229 p; 1 f; 9 pls, map. "Cultura Hispanica." Not seen.

5438. RIBERA, Marquess DE LA(-1900) Estudio sobre las turmalinas y descripcion de sus principales variedades. *Anales Real Soc Española Hist Nat*, Madrid, 3, 1874, 28 p, 6 pls(4 col). BMNH. Not seen.

5439. RICCI, or RICCIO, ANGELO MARIA(1776-1850)

De gemmis et de adamante poëmatium mineralogico-chemicum Francisco Borbonio Ferd. IV. Regis F.Faustissimas nuptias ineunti nuncupatam ab Angelo Maria Riccio Seraphini F.Patricio Aquilano, equite Hierosolymario, regiaeq. Sebetiae Academiae Sodali Archadico. [rect engrav lamp of knowledge] Neapoli CIↃIↃCCLXXXXVII. Ex Regio Typographio Vincentii Orsini [rule] Publica Auctoritate. [1797] 4°: 40 p, a-b^8, c^4; engrav inits; 3 engrav ch orns; engrav portr. 24.8 x 16.8 cm(9 3/4 x 6 5/8 in). Cropped. Richard Wormser copy examined; Ward & Carozzi 1868. Rare.

Cont: pref; imprimatur; text; notes; approbation,

A poem on gemstones, part Latin, part Italian, lauding their virtues, with brief remarks on properties and sources, p 9-21. Despite the nature of this contribution there is a surprising amount of information furnished on the formation of gemstones, chemistry, crystallization, etc, and with brief sections on garnet, corundum, spinel, topaz, beryl, zircon, and several others. A separate ode lauds the diamond and unlike the principal poem in Latin is written in Italian. There are notes explaining the difficulties in language occasioned by use of the poetic form and commenting on the information gratuitously supplied.

5440. RICCI, SEYMOUR DE Catalogue of a collection of ancient rings formed by the late E. Guilhou. Paris: 1912. Reprinted in a limited edition of 350 copies, 1980, 194 p, 24 pls, buckram, 26 x 26 cm. Not seen; from Thomas Heneage, London, Cat 2, item 112 - "all 1636 rings are illustrated from what must be the greatest collection of rings ever formed by one man. The collection was sold in 1937... covers the period of ancient Egypt to the France of Napoleon. Marquet de Vasselot, *Bibliogr Orfèvrerie* 1925, 147.

RICE, D T, see MENZHAUSEN, J, 1968

RICE, PATTY C (1937-)

Educ consultant; b Cadillac, MI; grad Mich State U 1970; PhD.

5441. -----1980

Amber | The Golden Gem Of The Ages | Patty C.Rice, Ph.D. | [logo] Van Nostrand Reinhold Company | New York Cincinnati Atlanta Dallas San Francisco | London Toronto Melbourne [1980]

16°: x, [1], [1 blank], 289, [1 blank]p; 55 col photos on 8 glossy f bound-in but not includ in pag; 165 text fig(photos, diagrs, maps). Black leather-type paper over bds; yellow spine title. Black dj, col photo of amber on cover; orange, white lett other publ bks back cover; flap resume, vita. 25.4 x 17.3 cm(10 x 6 3/4 in). Cut. LC 79-22189; ISBN 0-442-26138-1. $26.95.

Cont: 1/2tp; tp; publ data; pref; ackn; tab cont; text tp; 10 chs; biblio(p 267-72, 178 entries); append; index; blank p.

This is the first comprehensive monograph on amber to appear since G C Williamson's *The Book of Amber* of 1932, and R Hunger's *Magic of Amber* of more recent date, 1977. Compared to both it is far more complete and up to date and reflects the enormous amount of research that Rice performed prior to writing the manuscript. No aspect of amber is neglected, especially the recent investigations on the botanical origin of ambers. In the first of four parts, Rice provides a general introduction which touches upon the high points in the cultural history of amber and its uses by mankind as deduced from earliest records, particularly in Europe and the broad region of the Mediterranean. The second part developes the cultural significance of amber, while the third part studies the scientific aspects along with remarks on natural history. The final part deals with the commercial aspects of amber. Each chapter contains its own references which are gathered up into the main bibliography which includes virtually every important publication on the subject since the inception of printing. The appendix contains information on care of amber, some curious lore, charts for comparing amber to common substances which resemble amber, and some observations on recent natural resins and their relationships to the origin of fossil resins. The illustrations include maps, drawings, reproductions of titlepages of older amber books, and photographs, but the last leaving much to be desired because of blurring caused by unsatisfactory-surface paper. The color photographs are comparatively very good. Rev *G & G*, 17, 2, 1981, 59; *R & M*, 56, 4, 1981.

5442. -----1987, reprinted, with revisions

Amber | The Golden Gem Of The Ages | Patty C.Rice, Ph.D. | The Kosciuszko Foundation, Inc. | 15 East 65th Street | New York, NY 10021 [1987]

16°: x, [1], [1 blank], 289, [3 blank]p; same ill, etc.Col paper over bds, no dj. 25.3 x 17.8 cm(10 x 7 in). Cut. LC not given; ISBN 0-917-00720-5. Same in cementb, same p. size. $29.95 & $15.00. JSL.

Cont: 1/2tp; tp; publ data; introd; pref; ackn; tab cont; text tpp; text; biblio; append tp; appends; index; 3 blank p.

Includes minor notes on scientific aspects, paleontology, methods of analysis & identification of true amber, chemistry of amber, discovery of a small lizard in Dominican amber, more information on ambers of USA, and replacement of the map of Dominican Republic as well as correcting various typographical errors(pers comm, P C Rice, Febr 1988).

5443. -----1981 Amber mining in the Dominican Republic. *R & M*, 56, 4, 1981, 145-52, 14 fig(4 maps), 7 refs. JSL.

5444. -----1987

Guide to the Exhibit | Artistry In Amber | An exhibit of Baltic Amber Art | Burgess-Jastak Foundation Collection | Patty Rice Amber Of The Ages Collection | Lithuanian Cultural Center Of Detroit | Private Collections | June 22 through July 3, 1987 | Amber sculptures by | Lithuanian and Polish Artists | Featuring | Marion Owczarski, | St.Mary's College, Orchard Lake Schools, Orchard Lake, | Michigan | Norman Fortin, | Toronto, Canada | Zdzislaw Kycler, | Gdansk, Poland [nd]

P [6]: "Edited by Dr. Patty C.Rice | Printed by Lee Printing"

Centerstapled: [5;]p; 10 photos. Glossy col wrap, col amber carving with amber-colored rules & lett, 21.7 x 13.8 cm(8 1/2 x 5 1/2 in). Cut. JSL,

Cont: 1/2tp; sponsors; tp; ackn; quot; publ data; ackn; rationale; introd; amber in history; featured artists; catalogs; advert; organizations.

Brief descriptions of about 120 exhibits of amber from three collections, with photographs mostly from Rice's book. Objects include small carvings of heads, full-bodies, animals, etc, also jewelry pieces, amber & meerschaum pipes, and oriental carvings.

5445. RICHARDS, H C The building stones of Queensland. *Proc Roy Soc Queensland*, Brisbane, 27, 1918, 105-204, Pls 5-10(includes geol sketch map). Not seen.

RICHARDSON, CHARLES HENRY(1862-1935)

USA mineralogist; b Topsham, VT; AB Dartmouth Coll 1892, AM 1895, PhD 1898; prof mineralogy Syracuse U 1909-; spec econ geology.

5446. -----1917

Building Stones And | Clays | A Handbook For Architects | And Engineers | By | Charles H.Richardson, Ph.D. | Professor Of Mineralogy, Syracuse University | Field Geologist Of The Vermont Geological Survey | Fellow Of The Geological Society Of America | Member Of The American Chemical Society | Author Of A College Textbook, Economic Geology, Etc. | [rule] | With 303 Copper Halftones and 10 Zinc Etchings | Rule] | Published By The Author | [rule] | Distributed By | The Syracuse University Bookstore | 303 University Place, Syracuse, N.Y, | 1917

8°: [1 blank], [1], xiv, 437, [1 blank], [1 advert], [3 blank]p; front portr pl of author, 303 text fig. Ribbed, maroon cloth, blind frame on covers; gold title, rules on spine. 22.5 x 15.2 cm(8 7/8 x 6 in). Glossy paper throughout. Cut. JSL. LC 17-25483.

Cont: blank p; front; 1/2tp; tp; publ data; dedic; pref; tab cont; 13 chs; list of structures; gloss; index; blank p; advert; 3 blank p.

Mineralogy of building stones, their properties, weathering and other causes for deterioration, granites, limestones, sandstones, slates, and others, with chapters on clays, bricks, paving materials, cements, and artificial stones. Describes some ornamental stones as calcite onyx and serpentine with sources but this work is largely on the massive, stronger stones of heavy construction. A scarce work.

5447. RICHARDSON, GWEN

On The Diamond | Trail In British | Guiana | By | Gwen Richardson | With Twenty-Three Illustrations | And A Map | [logo] | Methuen & Co. Ltd. | 36 Essex Street W.C. | London [1925]

8°: xi, [1 blank], 243, [1], 8[advert]p; glossy front photo pl tip-in; 22 photos on 15 tip-in glossy f. Pale brownish-red cloth, gold lett & rules on spine. Front endp sketch map. 19 x 12.5 cm(7 1/2 x 4 7/8 in). Cut; be untrinmed. LC 26-13049. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; ill list; 10 chs; append; index; publ data; adverts tp; adverts.

An account of the author's adventures in the headwaters of the Mazaruni River in British Guiana, ostensibly to seek alluvial diamonds although the text is largely taken up with descriptions of travel hazards, dangers of jungle life, colorful natives, and the like, with only occasional mentions of actual diamond mining. The appendix provides lists of provisions and equipment that are deemed useful.

5448. -----1925(?), New York

On The Diamond | Trail In British | Guiana |...| New York | Brentano's | Publishers [nd]

8°: xi, [1 blank], 243, [1]p; same ill. Pale gray cloth, blind frame on cover; title & orns on spine in blue. Te stained blue, Text same, JSL.

5449. RICHARDSON, W A The fibrous gypsum of Nottinghamshire [England]. *Min Mag*, 19, 1920, 77-95. Not seen.

5450. RICHARDSON, WALLACE G

The Spiritual Value | Of Gem Stones | by | Wallace G.Richardson | as channeled through | Lenora Huett | DeVorss & Company, Publishers | 1046 Princeton Drive | Marina del Rey, California 90291 [1980, 4th print 1983]

Cementb: [2 blank], vii, [1 blank], 153, [8 blank p]; 171 fig. Glossy wrap, amethyst col photo on cover; vitas back cover. 20.9 x 13.3 cm(8 1/4 x 5 1/4 in). ISBN 0-87516-383-1; LC 79-54728. $6.50. JSL.

Cont: blank f; tp; publ data; dedic; tab cont; fwd; text; biblio(p 158, 9 entries); 4 blank f.

One of the more unintelligible modern popular books on spiritualism which purports to offer completely "new" information because "no pre-conceived ideas regarding the historical lore of stones were used," and with Richardson being given "the basic responsibility for assembling this information" while Huett acted as the "spiritual channel." The text is studded with jargon and statements which make little sense except, perhaps, to the author.

5451. RICHMOND, J F

Diamonds, | Unpolished and Polished. | By Rev.J.F.Richmond, | Author Of "New York And Its

Institutions." | If man is not rising upward to be an angel, he is sinking | downward to be a devil. He cannot stop at the beast. | Coleridge. | Illustrated. | New York: | Nelson & Phillips. | Cincinnati: | Hitchcock & Walden. | 1873.

8°: 249, [1 blank], 4, [2]p; first f blank but includ in pag as is the front pl; last 6 p adverts. Wood engrav front pl tip-in + 3 others tip-in but not counted in pag. Brown-maroon pebbled cloth, blind frames on covers, ornate gilt title & decor on spine. Bev bds. Pale pink endp, 17.1 x 11 cm(6 3/4 x 4 3/8 in). Cut. JSL.

Cont: blank f; front; tp; publ data; pref; tab cont & ill list; 10 chs; blank p; other bks of publ.

As with so many officers of the church, Richmond seized upon the idea of using gemstones to attract juvenile readers. As may be expected, very few facts about gemstones are given, with a little more about diamond than about the others, and all of it greatly diluted by tedious, rambling sermonizing. Perhaps the most attractive feature of this work is the illustrative material which includes a picture of early opencut workings in the diamond mines of South Africa, native miners sorting diamonds, the Koh-I-Noor diamond, and miners at work in Coleberg Kopje. A reprint was issued in 1875 bound in dk brown cloth with straw-yellow endpapers.

5452. RICHTER, CHRISTIAN

Saxoniae Electo- | Ralis | Miracvlosa | Terra, | oder | Des Weltberühmten Chur=Sachsen= | Landes bewunderns=würdige | Erde, | Wie dieselbe | Durch des Höchsten Gottes sonderbahre Gna= | de und verliehenen Bergwercks=Verstand, auch un= | ermüdeten Fleiss entdecket worden | Von | Christian Richtern, | Ihro Königl. Majestät in Pohlen und Chur= | fürstl. Durchl. zu Sachsen bestallten Edelgestein Inspecto= | re, und E.E.Raths der Berg=Stadt Schnee= | berg Assessore. | [rule] | Schneeberg, auf Kosten des Autoris. | [rule] | Gedruckt bey Joh. Ernst Schulten, 1732.

4°: [74]f; pi^2,):(^{4})()(^{2}, A-Q^4, R^2; 61 text engrav. 19.6 x 15.6 cm (7 3/4 x 6 1/9 in). Cropped. USGS Kunz Coll, GS 34-386.

Cont: tp; dedic; introd; poem; cat with pls recto, explan verso; conclusion & append.

Privately published by the author this interesting work is a treatise on the discovery of what appear to be variegated jaspers in Saxony, there being 61 specimens depicted on small to large in-text engraved plates. All are carefully, indeed, exquisitely engraved and labeled with letters referring to explanations upon the facing pages. Unfortunately, the drawings are meaningless without coloration although colors are indicated in the explanations.

5453. RICHTER, GISELA MARIE AUGUSTA(1882-)

The Metropolitan Museum | Of Art | Catalogue Of | Engraved Gems | Of The | Classical Style | By | Gisela M.A.Richter, Litt.D. | Assistant Curator | Department Of Classical Art | [oval engrav gem] | New York | MCMXX

8°: lxxiv, [1], [1 blank]p + p 5-232 + [1], [3 blank]p; 44 text fig; 88 bound-in & tipped-in glossy photo pls. Tan paper wrap, front cover frames enclosing blue gem with the word "Gems" in orn plaque, with wreaths below; similar frame back cover enclosing title & author; ruled panels & title, date, on spine. 22.1 x 14.1 cm(8 3/4 x 5 1/2 in). Te cut; others untrimmed. Pale tan ribbed paper throughout. LC 20-10704. JSL.

Last p: "Of This Catalogue 1,900 copies Have Been Printed January, 1920 [by Gilliss Press]."

Cont: tp; pref; tab cont; introd; biblio(p lxiii-lxix); gem collections; abbrev; text tp; index tp; abbrev; index; press run; blank p.

The first printed catalog of the Metropolitan Museum of Art engraved gems, all highly detailed, and preceded by a most valuable introduction in which Richter discusses tke significance and development of engraved gems, seals, designs on gems, gem engravers, forgeries, engraving technique, and gem materials. The catalog describes pieces dated to the Minoan era and thence forward into the 18th and 19th centuries. The 464 gems came mainly from the C W King, Cesnola, and Gréau collections, the details of acquisition being furnished in the preface. Many plates depict gems in either natural or enlarged size. Much of Richter's matter is incorporated in the review by Albert A Hopkins in *Scientific American*, Feb, 1921, 168-9.

5454. -----1956, 2nd edit("new presentation")

Metropolitan Museum Of Art. New York | [taper rule] | Catalogue Of | Engraved Gems | Greek · Etruscan · And Roman | [taper rule] | Gisela M.A. Richter | [cameo photo] | Published For The Museum | By | L'Erma di Bretschneider · Roma | 1956

Page V: "though I have utilized what I could of my 1920 catalogue, much has naturally had to be rewritten after a lapse of more than thirty-five years. The book is, therefore, not merely a second, revised edition of the older catalogue, but a new presentation."

4°: XLII(first f blank), [1], [1 blank], 143, [1 blank], [1], [1 blanklp + ca 500 photos on Pls I-LXXV on 38 bound-in f + 1 blank f; 32 small text sketches. Thick pale gray print wrap, cover title & rules & lett on spine. 29 x 21.9 cm(11 1/2 x 8 5/8 in). Te uncut(text), all others unevenly cut. Pale tan text paper, the stock for pls somewhat thicker. JSL.

Cont: blank f; tp; publ data; pref; tab cont; hist of collection; abbrev(biblio, p XI-XIII, 130 entries); general introd; catalog tp; cat; concord list; general index; inscriptions index; pls tp; pls; print data; blank f.

The present work is entirely re-written but generally follows the same scheme of presentation but with certain exceptions. "A major change... is the omission of the Minoan and of the post-classical gems... two other important changes are the elimination of separate sections for the "first-century Italic gems" and for the "late imperial Roman gems"." Among other differences are the inclusion of gems added to the collection since 1920 bringing the total to 658 specimens, the large and important bibliography, and the all new illustrations, among which are the plate photographs purposely enlarged to allow better study of carving details.

5455. -----1942 Ancient gems from the Evans and Beatty collections. Metropolitan Museum of Art. New York: The Metropolitan Museum of Art, 1942. Centerstapled: [40]p, 38 text photos, most with several gems each. Pale red print wrap, white lett, rules, & cameo; another cameo back cover. 18.5 x 13 cm(7 1/4 x 5 1/8 in). "In this picture book thirty-one stones from the Evans Collection and twenty-seven from the Beatty Collection are illustrated and briefly described."

5456. -----1968

The Engraved Gems Of The Greeks | Etruscans And Romans Part One[-Two] | Engraved Gems | Of The Greeks | And The Etruscans | A History Of Greek Art | In Miniature | By Gisela M.A.Richter | Phaidon [London,1968-71; title in sepia & black]

I: 8°: xii, 339, [1 blank]p; 3 numb figs, 58 unnumb figs, 2 tip-on glossy col photo pls; 4 numb photo pls on pale tan stock, bound-in; pls section of 54 f on pale tan stock, the first f serving as tp, bound-in, forming p 217-324. All pls includ in pag. Tan, polished cloth, brown & gold gem on cover; brown & gold title panel on spine with gold rules. Dull tan-orange dj, gem photo on cover, b&w lett; black spine title; resume, other bks of author; Dj paper rapidly fading to yellow. 33 x 23.5 cm(13 x 9 1/4 in). Cut. £ 18.90. ISBN 7148 1347 8; LC 68-27417. JSL.

Cont: 1/2tp & logo; tp; publ data; tab cont; pref; how to use the book; general introd; text in 2 parts; pls sections; append tp; biblio(p 327-32, 279 entries); photo credits; list of inscribed gems; index of collections; index of subjects; index of persons & places; blank p.

II: x, 307, [1 blank]p; 6 fig on bound-in f not includ in pag; 1 text fig; 61 photo pls on pale tan stock, first serving as tp, bound-in, forming p 167-288. Bright green dj. £ 20.00. ISBN 0 7148 1455 5; LC same. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref; how to use the book; gen introd; text in 2 parts; problematical & modern gems; pls sections; append tp; biblio(291-6, 300 entries); photo credits; index of collections; index of subjects; index of persons & places; blank p.

In these two uniform volumes Richter presents "the first comprehensive book on the subject since Furtwängler's monumental work published in 1900 [*Die antiken Gemmen*]," which claim seems exaggerated as do those made for the nearly contemporary work of Boardman, which see. "The material is arranged chronologically, with an introductory chapter for each period, preceded by a general introduction dealing with the uses of engraved gems, the choice of designs, the materials used, the technique, and the information we have about the artists." However, to avoid needless repetition, the introductory matter in the 2nd volume is much reduced and the reader is referred to the first volume where it is to be found in extenso, In this volume we find a good discourse on gem engraving technique and referencing the treatises of Natter and Mariette, but all of it is very brief and not meant to be of practical value. The descriptions of materials stresses the importance of members of the quartz family, with remarks on other species and with two excellent color plates showing 38 engraved gems of quartz, peridot, lapis lazuli, beryl, and others. The introduction to the first volume also provides valuable comments on gem engravers and their signatures, the appreciation and collecting of gems, forgeries, and close relationships between engraved gems and coins & medals. The texts of both volumes systematically described the major pieces preserved in museums & collections around the world, giving for each the material, dimensions, provenance, subject, etc, and references to works in which they were published or described. The gems are shown on the plates usually from photographs of casts which show detail better than actual gems in many instances but with a small photograph alongside of the gem itself in actual size. The bibliographies include independent works and articles but the latter (irritatingly) are without full paginations. Both books are made from high-quality materials and are attractively designed, carefully printed, and stoutly bound; they should physically last a long time as well as endure as valuable references. Rev *J Gemm*, 11, 6, 1969, 220; *G & G*, 13, 2, 1969, 71(Vol I only). Arntzen P603.

5457. -----1968-71, Same New York: Frederick A.Praeger, not seen.

RICHTER, JOHANN CHRISTOPH, see HEBENSTREIT, J F

RICKARD, THOMAS ARTHUR(1864-1953)

USA mining eng & editor various tech journals; b Italy of Brit parents, to USA in 1885; mining eng duties in Colorado, California, Canada, etc; wrote notable works on mining adventures & history of mining.

5458. -----1932

A.I.M.E. Series | [double rule] | A History Of | American Mining | By | T.A.Rickard | Consulting Engineer to the United States Bureau of Mines; Formerly | Editor of the Engineering and Mining Journal (New York), | the Mining and Scientific Press (San Francisco), | and The Mining Magazine (London) | First Edition | McGraw-Hill Book Company, Inc. | New York And London | 1932

8°: xii, 419, [1 blank]p; front photo + 27 fig(mostly sketch maps). Maroon cloth, gilt rules, series title, logo on front cover; gilt rules & title on spine. 20.4 x 13.5 cm(8 x 5 1/4 in). Cut. JSL. LC 32-20628.

Cont: 1/2tp; other series works; front; tp; publ data; dedic; introd; tab cont; 18 chs; index; blank p.

Ch 17, 380-96, "The Great Diamond Hoax," is an entertaining summary of the "salting" of diamonds & precious stones in a remote Western USA area in order to (successfully) swindle San Francisco investors. For full details see HARPENDING.

5459. -----1932, 2nd impress; same, except front illustration, originally a photo, is now replaced with a pen & ink sketch. JSL.

5460. -----1944

The | Romance Of Mining | By | T.A.Rickard | A.R.S.M., D.Sc. | Toronto | The Macmillan Company | Of Canada Limited | 1944

8°: viii, [5], [1 blank], 450 p; glossy photo front pl tip-in + 16 photos on 8 glossy tip-in f. Terra cotta cloth, gold title on cover & spine. 21.5 x 14.3 cm(8 1/2 x 5 5/8 in). Cut. JSL. LC 45-1008.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; ill list; 16 chs.

A popular survey of mining from antiquity to the present based on selected areas or regions especially rich in minerals. Ch 13, 335-65, describes the development of diamond mining in South Africa and is accompanied by bibliographical footnotes and a map of South Africa and a photograph of the "Big Hole" diamond pit at Kimberley. Reprints 1945, 1947.

5461. RIDDER, ANDRÉ HENRI PIERRE DE(1868-1921) Collection de Clercq; Catalogue VII. Les bijoux et les pierres gravées. 2 vols. Paris: 1911, 874 p, 30 pls; half buckram. 25.5 x 28 cm. Not seen; from Thomas Heneage, London, Cat 2, no 114.

5462. -----1924

Musée National Du Louvre | [rule] | Département Des Antiquités | Grecques Et Romaines | [wavy rule] | Catalogue Sommaire | Des Bijoux Antiques | Par | André De Ridder | Conservateur adjoint des antiquités grecques et romaines. | Paris | Musées Nationaux | Palais Du Louvre | [rule] | 1924

8°: xxiii, 219, [1]p + 32 pls on 16 bound-in glossy f + blank f & [4 advert]p + blank f. Pale brownish-gray stiff paper wrap, cover title; list of other catalogs inside back cover. 17.7 x 13.2 cm(7 x 5 1/4 in). Cropped. LC 28-4010. JSL.

Cont: 1/2tp; tp; approb; plan of Louvre; pref; introd; abbrev list; cat; tab cont; print data; pls; blank f; adverts; blank f.

Antique jewels in the Louvre Museum: list of the collections, notable acquisitions, etc, with the catalog presenting the items according to their function, eg, plaques, bands & diadems, buckles, pins, necklaces, etc, and including jewels & rings set with gemstones, many of the latter being engraved gems. Loose engraved gems are listed separately and include scarabs, intaglios, and cameos, p 139-79. Several figurines in gem materials are also described, 208-9, as well as several dozen objects in amber, 210-3. The illustrations are adequate and depict the more notable objects in the various classes.

RIDDER, A H P De, see MENANT; see also CLERCQ

5463. RIDDLE, JOHN M Lithotherapy in the Middle Ages: lapidaries considered as medical texts. *Pharmacy in History*, 12, 1970, 39-50. Not seen; from C Meier, p 537.

5464. RIDGE, A V

Price $1.50 | [in a black oval:] Pro-Am | Tumble-Grind | Tumble-Polish | Guide | [below:] Written By: | A.V.Ridge | © A.V.R.Co., Inc. 1972

No place given; Seattle, WA ?

Centerstapled: [2], 30 p(text also inside both covers); 3 sketches. Wrap; col photo of tumbled gems both covers; cover title. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Clear, precise instructions based on the author's ca 24 years experience and at one time operating in his workshop "32 different rock tumblers, large and small, 24 hours a day for seven full months."

5465. -----1973

Price $1.50 | [in a black oval:] Pro-Am | Gem Cutting | Guide | [below:] Written BY: | A.V.Ridge | © A.V.R.Co., Inc., 1973 [no place given]

Centerstapled: [2], 45, []p; text also on inside covers; 20 line drawings, 2 tab. Col wrap, cabochon gems both covers, cover title. 21.4 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Clear, easily followed instructions for sawing, grinding, polishing cabochon gems, with special instructions for jade and notes on operating procedures within the gem-cutting shop. Most of the author's experience appears to be on quartz family minerals and little is said about the more difficultly-handled gem materials.

5466.RIDGWAY, J E Re agate - Agate Creek, Percyville. *Queensland Govt Mining J*, 46, 1945, 299-330. Not seen; a locality famous for colorful banded agates.

5467. RIEDERER, J B

Jahres-Bericht | über das | kgl. Lyceum, Gymnasium und die lateinische Schule | zu Freising | im Studienjahre 18 58/59. | [rule] | Mit einem Programme: | Beiträge zur Kenntniss der Edelsteine | von | Dr.J.B.Riederer, | kgl. Lycealprofessor und Rektor der kgl. Landwirthschafts=. Gewerbs= und Handels= Schule in Freising. | [rule] | Bekannt gemacht am Tage des feierlichen Jahres=Schlusses des königlichen Gymnasiums und der | lateinischen Schule. | [orn rule] | 1859, | Druck von Franz Datterer in Freising.

4°: 47 p; fold pl of gem cuts. 25.5 x 20.7 cm(19 x 8 1/8 in). Cut. USGS Kunz Collection. See below.

5468. -----1864

Jahresbericht |...| im StudienJahr 18 63/64. | [rule] | Mit einem Programm: | Anleitung zur Kenntniss der Edelsteine | (Zweite Abtheilung) | von | Dr.J.B. Riederer, | Rektor der k.b. Landwirthschafts=, Gewerbs= und Handelsschule, und Professor der Naturwissenschaften am k.Lyceum | zu Freysing. | [wavy rule] || Bekannt gemacht am Tage des feierlichen Jahreschlusses des königlichen Gymnasiums und der | lateinischen Schule. | [orn rule] | 1864. | Druck von Franz Datterer in Freising. 18 p.

Both parts together form a general gemological treatise, the first part dealing with theory, properties, testing principles, etc, while the second part describes 33 gemstones.

5469. RIEDL, GUSTAV Die Flussperlmuscheln und ihre Perlen. Zur Förderung der Zucht der Flussperlmuschel in Österreich. *Jb Osterreichisches Musealvereines*, Linz, Bd 82, 1927, 259-358. Also separate: 8°: [2]p + p 259-358 + [2 blank] p; 26 ill(6 in text, remainder on 12 bound-in glossy f, including a map). 26.5 x 17.7 cm(10 3/8 x 6 7/8 in). Topics: ecology of the Austrian freshwater pearl mussel, its distribution, pearl production, calcium content of streams, factors involved in disappearance, winter survival, enemies, anatomy, structure & formation of pearls, investigational methods, propagation of mussels, properties of cultivated pearls, pearl imitations; bibliography of 23 entries. Copy in Ove Dragsted library, Copenhagen.

5470. -----(?) Muschelzucht und Perlenkultur. *Zs österreichische Mittelschulen*, Jg 1, H 4, erste Abt, Abhandlungen, no date, p 293-359, 8 fig. Also separate: 8°: 22.5 x 14.5 cm(8 7/8 x 5 5/8 in). JSL. Detailed study of problems associated with growth of freshwater pearly mussels, with much on their natural history, and stages of development, followed by remarks on the history and progress in the culture of mussels and the attempts to induce pearl growth. The most important literary contributions are noted in the text and a bibliography of 72 entries is also supplied.

5471. RIENACKER, VICTOR GEORGE ROBERT(1887-) Chinese Art (Tenth Article) - Jade I., *Apollo*, 41, 1945, 42-54; II., 64-7; III. 109-12; IV., 145-7; V., 42, 1945, 157-9. Not seen; from G M Born, p 287-90, who notes that the entire series on Chinese art began with an article in *Apollo*, vol 38, 1943, 157-60. The foregoing are those devoted to jade.

5472. RIGBEY, L J The amateur faceter. Truro: D.Bradford Barton, 1972. 83 p, b&w and col ill. £1.50. Not seen; rev M J

O'Donoghue, *J Gemm*, 14, 1, 1974, 38; H Scarfe, *Gems*, 5, 1, 1973, 48.

5473. RIGBY LIMITED

Rigby | Instant | Book | G6944 [enclosed in box] | 35c | All About | Birthstones

Wrap title only; Rigby Limited, Kent Town, South Australia, 1969.

Centerstapled: 64 p; 12 col photos on 4 glossy f bound-in at centerfold and not includ in pag; 14 sketches. Col photo wrap. 13.1 x 8.9 cm(5 1/8 x 3 1/2 in). Cut. Nat Libr Australia No AUS 69-1410. JSL,

"Compiled in conjunction with Australian Jewellers Association and Gemmological Association of Australia," forming a small popular work on birthstones, lore, wearing jewelry, famous gems, diamond cutting, the carat, and remarks on the study of gemology. High quality color photographs of the twelve gems set in jewelry, the opal being shown doublepage in the centerfold. Reprinted several times up to 1974 at least, omitting price.

5474. RIGGLE, ARTHUR L How to use diamond abrasives to cut gemstones. Mentone, CA: GEMAC Books, 1978. Centerstapled: 30, [2]p(includ wrap); ill(some in col). Print wrap, cover title. 27.6 x 20.9 cm(10 7/8 x 8 1/4 in). $2.50. ISBN 910652-30-9. Clear instructions, well-illustrated, for the amateur gem cutter, for all processes from sawing to polishing.

5475. RIGHETTI, ROMOLO

Biblioteca Apostolica Vaticana | Museo Sacro | [rule] | Guida VII | Opere Di Glittica | Dei Musei Sacro E Profano | A Cura | Di | Romolo Righetti | [papal crown] | Tipografia Poliglotta Vaticana | 1955

8°: 52 p(ist f blank) + [1], [1 blank]p + 17 photo pls on 9 bound-in f. Pale brown paper wrap, cover title. 21.5 x 14.8 cm(8 1/2 x 5 7/8 in). Cut. Semi-glossy yellowish-tan paper. JSL.

Cont: blank f; tp; imprimatur; history; Museo Profano & contents; Museo Sacro & contents; biblio(p 50-2, 41 entries); pls tp; pls; blankp.

Very brief descriptions of the major engraved gems in the Vatican collections, including seals and scarabs. Good quality photographs depicting actual gems in all cases except for a few casts of seals & intaglios.

5476. -----1955

Cataloghi Dei Musei Comunali | Di Roma | [rule] | IV | Gemme E Cammei | Delle Collezioni Comunali | A Cura Di | Romolo Righetti | Roma - MCMLV

P [4]: "Edita dalla Ripartizione X Antichità E Belle Arti del Comune di Roma."

8°: 115, [1]p(ist f blank) + 20 photo pls on 10 bound-in glossy f + 1 blank f supplied. Pale brownish-tan paper wrap, sepia lett & oval cameo on cover. 19.6 x 14.5 cm(7 3/4 x 5 5/8 in). Cut. Wraps overlap text; text paper pale tan stock. JSL.

Cont: blank f; tp; publ data; text; analytical index; pls index; general index; pls; blank f,

Describes ancient & modern engraved gems, also some pastes and wax models of gems and impressions in various museums in the Rome complex: Capitoline, Napoleon, Museum of Rome. Each piece described, material identified, dimensions, amplifying remarks on history, provenance, etc. The many photographs are of fair quality and largely depict impressions of intaglios but actual specimens of cameos.

5477. RIMANN, EBERHARD Nephrit und Asbest von Paakila, Finnland. *Zentralbl Min Geol Pal*, Jg 1936, Abt A, Nr 11, 321-7 & Nr 12, 353-68, fig. Also issued sep. JSL. The anthophyllite-asbestos deposit of Paakila, Finland contains vein- or lens-like masses of densely fibrous anthophyllite and also anthophyllite- nephrite in enstatite-rich dunite and enstatite rock formed by hydrothermal alteration related to a granite intrusion. Mineralogical description, chemistry, other data. "The above-described nephrite... is the first to be known in place in Fennoscandia." The author suggests that its attractive color and schiller inclusions, with assumption of polish, should make it a very good ornamental material.

RINNE, FRIEDRICH WILHELM BERTHOLD(1863-1933)

Ger mineralogist & crystallographer; PhD Göttingen U 1883.

5478. -----1914 Beitrag zur optischen Kenntnis der kolloidalen Kieselsäure. *N Jb Min*, E-Bd 39(Festbd Bauer), 1914, 388-414, 12 text fig. Also separate: 8°: [1]p + p 388-414. Pale gray wrap, cover title. 22.75 x 14.5 cm(9 x 5 3/4 in). Heated and determined refractive indices on colloids in the system SiO_2 - H_2O, or the "opal series," namely, on silica glass, hyalites, precious opals from Hungary, moldavite, obsidian, and marekanite. Various wavelengths of visible light were used; in general, RI rises with temperature for anhydrous materials but falls as water is lost in hydrated materials.

5479. -----1928 Morphologische und physikalisch-chemische Untersuchungen an synthetischen Spinellen als Beispielen unstöchiometrisch zusammengesetzter Stoffe. *N Jb Min*, B-Bd 58, Abt A, 1928, 43-108, 66 fig, Pls V-XXIV on glossy f, one fold. Also separate: orange print wrap, retaining orig pag, ill, etc, 22.8 x 14.3 cm(9 x 5 5/8 in). JSL. Investigates morphology and the chemical-physical properties of synthetic spinel boules from J C Farbenindustrie, A G, Bitterfeld, Germany, and demonstrates the peculiarities that result from use of unstoichiometric proportions of alumina and magnesia in the feed powder used in the Verneuil process. Topics: crystal form, surface features, structure, properties, solution figures, optical constants, ideal brilliant-cut gems, x-ray results, effects of annealing. Rev L J Spencer *Min Mag*, 22, 1929, 70-1. Memorial of Rinne by J W Gruner, *Amer Min*, 19, 3, 1934, 112-3.

5480. RITCHIE, CARSON I A

Ivory | Carving | Carson I.A.Ritchie | Arthur Barker Limited | 5 Winsley Street London WI [1969]

8°: [7], [1 blank], 136 p; 18 photos on 4 bound-in glossy f; 12 fig. Black paper over bds, gilt spine title. Col dj, resume, vita. 21.6 x 14 cm (8 1/2 x 5 1/2 in). Te stained orange. ISBN 213 17955 5. 36s or £ 1.80. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; ill list; ackn; introd; 9 chs; 5 appends; index.

Dj flap: "the first handbook on ivory carving ever to be written." A unique work, full of information, clearly stated, to the point. Very little space or equipment is need to begin work in ivory and ordinary skills are adequate to produce respectable

ornamental objects. Takes up tools, equipment, how to obtain ivory, processing a tusk, carving, polishing, scrimshaw work, engraving, display of finished pieces, exhibiting & marketing. The appendices cover simple tests for ivory, tool marks, hardnesses, fluorescent colors, and addresses of suppliers and societies holding exhibitions. Rev *Gems*, 2, 1, 1979, 20.

5481. -----1970

Carving | Shells | And | Cameos | and other marine products: | Tortoiseshell, Coral, Amber, Jet | Carson I.A.Ritchie | Arthur Barker Limited | Winsley Street London WI [1979]

16°: [10], 156, [2 blank]p; 15 photos on 4 bound-in glossy f; 31 fig. Brown, cloth-type paper over bds, gold lett & rules on spine. Col dj, with cameo shell photo, resume, vita. 19.7 x 12.9 cm(7 3/4 x 5 1/8 in). Cut. £ 1.75 or 35 s. ISBN 213 00246 9. JSL.

Cont: 1/2tp; other bk of author; tp; publ data; tab cont; ill list; ackn; dedic; introd; 7 chs; append; gloss; index; blank f.

Lucid, readily understood instructions, being the first large text to seriously treat the carving of the organic materials named. The author notes that nacre and shell may be obtained locally in the British Isles. Describes a kit of tools, setting up work space, tools and agents to be used for specific materials, an appendix of suppliers of materials and tools, and places where examples of the materials in carved form may be viewed. Much useful gemological information is incidentally provided. Rev *Austral Gemm*, 11, 3, 1971, 29; *Gems*, 2, 6, 1970, 39, 32. Reprinted in purple cloth.

5482. -----1973

Organic jewelry | you can make | Little | Craft Book | Series | By Carson I.A.Ritchie | [logo] Sterling | Publishing Co., Inc. New York | Saunders Of Toronto, Ltd., Don Mills, Canada | Oak Tree Press Co., Ltd. London & Sydney [logo] [Carved mask on tp; 1973]

Edgesewn: 48 p; photo on tab cont + 67 text fig. Col paper over bds, col title & orange band on cover; back cover resume & col photo. Flyleaves sewn-in; cloth inner hinge. 18.5 x 18.5 cm(7 1/4 x 7 1/4 in). Cut. LC 72-95211; ISBN 0-8069-5242-3(trade edit), $2.95; ISBN 0-8069-5243-1, "reinforced libr edit," $2.69. JSL.

Cont: tp; other series bks; photo credits & publ data; tab cont; text; suppliers; index.

Simple projects, simply wrought; valuable to the gemologist for information on such less commonly encountered materials as hard fruits, coconut, bone, ivory, horn, shell, woods, jet, cannel coal, and lignite.

5483. -----1973

Stones To Gems | by | Carson I.A.Ritchie | First Published 1973 | Lapidary Publications | 29 Ludgate Hill · London EC4M 7BQ

8°: 72 p; 4 bound-in col pls; 12 line drawings. Col wrap, map of Brit Isles back cover. 20.9 x 14.8 cm(8 1/4 x 5 7/8 in). Cut. 90 p. JSL.

Cont: resume inside front cover; tp; publ data; tab cont; 8 chs; list of stones(59 species & vars); advert.

Often charming but rambling discourse on the history of tumbling, the machines, their principles & uses, finding raw material, unusual materials, things made from tumbled gemstones, use of waste material, stones suitable for tumbling. Stresses use of native beach pebbles. Rev *Gems*, 6, 2, 1974, 63.

5484. -----1973

Soft Stone | Carving | C.A.I.Ritchie [sic] | A Scopas Handbook | Academy Editions · London | [rule] | St.Martin's Press · New York [1973]

8°: 91, [5 blank]p; 32 text photos; 16 line drawings; 5 col photos on 2 bound-in glossy f. Black, cloth-type paper over bds, gold spine title; olive-green dj, front cover ill; flap resume; back cover resume. 21.5 x 14.7 cm(8 1/2 x 5 3/4 in). Cut. LC 73-77763; ISBN 85670 016 9(hardcover); ISBN 85670 021 5(softcover). $5.95 & $3.95. JSL.

Cont: 1/2tp; tp; publ data; tab cont; dedic; pref; 9 chs; suppliers list; 5 blank p.

Enthusiastic encouragement to beginners couched in Ritchie's usual lucid language: how to make simple carvings in such soft materials as chalk, soapstone, alabaster, and marble. There is a short introductory history of the use of similar materials in antiquity, especially in Egypt, and details on all phases of work, including incised pieces and inlays. Illustrations mainly of museum pieces made from soft stones while the text sketches are two maps, design motifs, forms, and carving diagrams. The error in the author name is present in both versions.

5485 & 5486. Not used.

5487. -----1974

Shell Carving | History and Techniques | Carson I.A.Ritchie | [3 out- line photos of Shells] | [logo] | South Brunswick And New York: A.S.Barnes And Company | London: Thomas Yoseloff Ltd [1974]

16°: 208 p; 14 line drawings, 200 photos + photo in prelims. Dull rose, cloth-type paper over bds; gilt spine title. White dj, with title & photos on front in dull red; red spine title; photo of author & vita back cover; flap resume. 27.7 x 21.4 cm(10 7/8 x 8 3/8 in). Cut. LC 73-120; ISBN 0-498-07928-7. JSL.

Cont: 1/2tp; other author bks; tp; publ data; dedic; tab cont; ackn; text tp; 10 chs; index.

A remarkable, virtually unique work that incorporates information and illustrations of objects made wholly or in part of shell that cannot be found in other publications. The scope is worldwide, with descriptions of materials, how they are worked up, and significance of many types of finished objects in several cultures. Ritchie discusses the use of shell in the masks and mosaics of Pre-Columbian Indians, also wampum beads of the Indians of the Eastern United States, but curiously neglects to mention the considerable use of the abalone shell by the Northwest USA and adjoining Canadian Indians, In addition to shell of all kinds, from the nacreous types to that used for cameos, tortoiseshell is treated fully though its inclusion is not mentioned in the title. Much space is devoted to the inlay and lacquer objects of the Near East and Orient that use shell, and with the peculiar use of the chank shell among the Hindus receiving its own chapter. The shell carvings and utilitarian objects made from shell by natives of the Pacific islands are also treated fully. Several large and well-illustrated chapters treat nacre carvings in Europe, the use of the nautilus in objects of ornament, the use of tortoiseshell, and the cameos made from shells. Many of the objects depicted have never been published before and as such make the book a valuable reference on that account alone.

Unfortunately, the work is seriously marred by an almost total absence of references from which the author drew his information, and there is no collected bibliography. Furthermore, Ritchie seems not to have been familiar with the classic accounts of shell work by primitive peoples published by J W Jackson, *Shells as Evidence of the Migrations of Early Culture*, 1917, or L Pfeiffer's *Die steinzeitliche Muschelteknik*, 1914. Rev R G Hunt, *Gems*, 9, 1, 1977, 53.

5488. -----1975 More of Britain's Gems. London: Lapidary Publications, 60 p. Not seen, from *Gems*, 7, 4, 1975, 27.

5489. RITTER, H; RUSKA, J; SARRE,F & WINDERLICH, R Orientalischer Steinbücher und persische Fayencetechnik. *Istanbuler Mitt*, herausgegeben von der Abt Istanbul, Archäol Inst Dt Reiches, H 3, Istanbul, 1935. Separate: 8°: [3]p + [1 blank]p + 69, [1]p + 4 photo pls with own titleleaf. Orange-brown print wrap. 25.2 x 17 cm(9 7/8 x 6 3/4 in). Uncut. JSL. The first article, p 1-15, by Ritter, gives titles and identifies about 20 books and MSS examined by him in Istanbul libraries; among the books are several on gemstones.

RIVES, G, see MOSSIKER, F S, 1963

5490. ROBBIO, GIOVANNI

Dizionario | Istorico Ragionato | Delle | Gemme, Delle Pietre, E De' Minerali. | Coll'introduzione di varie osservazioni, | E | Dell' Origine Di Dette Gemme E Pietre. | Secondo l'opinione di Autori | più classici, e moderni. | Compilato In Due Volume | Da Giovanni Robbio | Con approvazione | Nell' Anno 1824. | Tomo Primo[-Secondo] | [orn rule] | Napoli | Dalla Tipografia Di Angelo Coda | E si vende presso l'Autore vico Campanile N.18. | primo piano, e strada de Florentini N.67. pr. piano, | da Marotta e Vespandoch largo S.Domenico N.13. | e da Baldassare Borel largo Trinita Maggiore N.7. e 8.

8°: 2 vols in one: 606 p. 19.5 x 12.1 cm(7 3/4 x 4 3/4 in). Cut. USGS Kunz Collection.

Cont: tp; pref; introd; dictionary to p 590; suppl; index to certain materials & species; recent inventions; approb.

Compiles brief notes on all types of rocks, minerals, gemstones, and ornamental stones, giving for each the essential facts as well as opinions of ancient & modern authorities concerning identities & origins.

5491. ROBERTS, BRIAN

Brian Roberts | The Diamond Magnates | Illustrated | [logo] | Hamish Hamilton | London [1972]

16°: viii, [1], [1 blank], 335, [7 blank]p; 23 photos(portrs, views, cartoons, etc) on 8 bound-in glossy f. Maroon cloth type paper over bds, gold lett & dec spine. Col dj, cut diamonds on front; resume, other bks. 21.6 x 13.6 cm(8 1/2 x 5 3/8 in). Cut. Te stained maroon. ISBN 241 02177 4. £3.40.

Cont: 1/2tp; other bks of author; tp; publ data; tab cont; ill list; dedic; prolog; text; epitaph; ackn; refs(biblio p 321-3, 99 entries); index; 7 blank p.

The author, a sociologist & educator, and graduate of London University, states that "most books about early Kimberley are based on the memoirs of old diggers. I have found these books, and their sources, extremely unreliable. Biographers of the diamond magnates have relied almost entirely on such material and have often been led sadly astray. Important events in the lives of Cecil Rhodes, Barney Barnato and the Joel brothers have never been disclosed; there are no informed critical studies of J.B.Robinson and Alfred Beit(p 307)." Furthermore, Roberts found contemporary sources, among them, newspapers, "exceptionally informative," and the present study therefore relies heavily on such sources for much of its new information and the correction of erroneous statements previously published.

In his prologue, Roberts provides a concise historical sketch of the early diamond finds, among them, the Eureka and the Star of South Africa, which discoveries helped set off the rushes to the alluvial or "river" diggings and resulted in the first in situ discovery of diamonds in Coleberg Kopje. Part 1, entitled "The Diggers," covers exploitation of alluvial deposits and provides biographical information on J B Robinson as well as remarks on the first appearance upon the scene of Barney Barnato, Harry Barnato, Cecil Rhodes, and others, setting the stage for the dramatic events when in situ deposits were found and their nature recognized. Part 2, "The Miners," now gives the history of the great pipe mines and how they were haphazardly exploited at first and how major figures such as Louis Cohen, Isaac Joel, Robinson, Alfred Beit, Barnato, and Rhodes became involved in their mining. The principal theme is the series of events that led to buying up all claims on the pipe in order to allow efficient, systematic opencut mining, and the formation of De Beers Consolidated Mines. In Part 3, "The Magnates," the further careers of Barnato, Rhodes, Robinson, and others, are traced, now more often in respect to gold mining on the Rand and in politics.

An excellent work but perhaps taking in too much of history to do justice to all the major figures involved but nevertheless introducing a great deal of new information, particularly for J B Robinson whose personality, activities, and influence form continuous threads throughout the narrative. Rev M J O'Donoghue, *J Gemm*, 13, 5, 1973, 193; *Gems*, 4, 6, 1972, 22.

5492. -----1972, New York Charles Scribner's Sons, 1972, 335 p, cloth. $8.95. Not seen, Rev R Gaal, *G & G*, 14, 12, 1974/75, 272-3.

5493. -----1974, Ger transl

Brian Roberts | Das | Diamanten | Imperium | Universitas Verlag | Berlin [1974]

8°: 328 p; 23 photos on 8 bound-in glossy f. Pale gray cloth, black spine title. White dj, col photos on cover,title, resume, other publ bk, 21.5 x 13.5 cm(8 1/2 x 5 3/8 in). Cut. ISBN 3-8004-0803-1. JSL.

Cont: logo; tp; publ data; tab cont; prolog; text. Straightforward translation by Götz Pommer.

5493A. -----1976 Kimberley, Turbulent city. Cape Town: David Philip, Not seen.

5494. ROBERTS, WILLARD LINCOLN(1923-1987) & RAPP, GEORGE, Jr

State Of South Dakota | Nils Boe, Governor | Mineralogy Of The Black Hills | by | Willard Lincoln Roberts | Research Associate in Mineralogy | Museum of Geology, South Dakota School of Mines and Technology | and | George Rapp, Jr. | Curator of Mineralogy, Museum of Geology and | Associate Professor of Mineralogy, Department of Geology and Geological | Engineering, South Dakota School of Mines and Technology |

With the Editorial Assistance of | Richard L.Bartels, Instructor of Mineralogy | South Dakota School of Mines and Technology | Bulletin 18 | of the | South Dakota School of Mines and Technology | Rapid City, South Dakota [1965]

16°: [5], iv, 268, [2 blank]p; 8 photos on f f not includ in pag; 25 text crystal drawings. Dk blue cloth, gilt spine & cover titles. 22.8 x 15.3 cm(9 x 6 in). Cut. JSL.

Descriptions alphabetically, including the following gemstones: amblygonite, facet grade andalusite, apatite, aragonite, barite, beryl, calcite onyx, marble, dolomitic marble, microcline, almandine, satin spar gypsum, common opal, many varieties of crystalline & chalcedonic quartz, serpentine, facet & cabochon grade spodumene, and twins of staurolite. Bibliography: p 229-51, over 1,000 entries. Careful, reliable work.

5495. ROBERTSON, JAMES R M On the occurrence of opal in the Colony of Queensland and the geological and physical aspects of the country in which they are found. *Proc Phil Soc Glasgow*, 13, 1880-81, and 1881-82, p 427-42. Not seen.

5496. ROBERTSON, MARIAN

Diamond Fever | South African Diamond History | 1866-9 | From Primary Sources | Marian Robertson | 1974 | Cape Town | Oxford University Press | Johannesburg London New York

16°: 250, [2 blank]p; 17 photos on tip-in glossy f; 3 fig(sketch map), endpaper maps. Col paper over bds, overall photo of diamond crystals in gravel on cover & spine, title in white; vita & resume back cover. 24.1 x 18 cm(9 1/2 x 7 1/8 in). Cut. ISBN 0 19 570002 3. £5.00. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; ill list; introd; 12 chs; ackn; biblio(p 237-42, 41 bks & pamphlets, many other sources); index; blank f.

In her introduction Robertson points out errors & inadequacies in several major works which purport to present accurately the early history of the diamond fields of South Africa, among them the great work by Gardner F Williams, and the books of George Beet. It is claimed that these works were based on "secondary" sources rather than upon the "primary" sources that she intends to explore; these are noted in the introduction, also in the bibliography, and include public and private papers written at the time when the described events were taking place. Accordingly, the present text, highly interesting and certainly valuable, consists of numerous extracts from correspondence, records, and the like, interspersed with Robertson's comments. Much light is cast upon the crucial period of diamond discoveries and the launching of the diamond industry. The photographs are mostly of persons connected with said events, while the endpaper maps show a broad view of South Africa and a detailed view of the early diamond fields. It is unfortunate that these maps should be printed upon the endpapers which in any book are particularly susceptible to defacement and damage. Also, unfortunately, the information on the author appears only on the back cover, Rev M J O'Donoghue, *J Gemm*, 14, 6, 1975, 299; *Gems*, 7, 3, 1975, 43, 45.

5497. ROBERTSON, Sir ROBERT(1869-1949); FOX, Sir JOHN JACOB & MARTIN, A E XIII. Two types of diamond. *Phil Trans Roy Soc London*, A, 232, 1934, p 463-535, Pls 11-14; 33 fig(fig 24-33 on pls). Also separate in green print wrap, cover title, 30 x 23.2 cm(12 x 9 1/8 in). Cut. JSL. This is the classical first announcement of the discovery of two types of diamond, called Type I and Type II, which were later subdivided on the basis of additional differences in properties. Type I diamonds are commonest, while the extraordinary Type II diamonds are characterized by fine parallel laminations, near isotropy, absence of IR absorption band at 8 mu, increased photoelectric conductivity, and other distinctions due to the presence of an impurity(N).

5498. -----1936 Further work on two types of diamond. *Proc Roy Soc London*, A, 157, 1936, 579-93, 1 pl, 9 text fig. Photoelectric investigations at various temperatures;specific heat; etching of surfaces at high temperature. Not seen.

5499. ROBIEN, PRÉSIDENT DE Catalogue des intailles et camées de la collection du Président de Robien. Rennes 1972. 24 p; all 24 pcs illustrated. Wrap. 22 x 19 cm. Not seen; from Thomas Heneage Cat 8, London, 1984, no 370.

5500. ROBINS, BILL

An A~Z of | Gems | And | Jewelry | Bill Robins | Arco Publishing, Inc. | New York [1982]

8°: 96 p; ca 60 line drawings. Brown, dec col paper over bds; orange col jewels on cover, white title; white spine title; resume, vita, price back cover. 21.5 x 13.8 cm(8 1/2 x 5 3/8 in). Cut. $10.95. LC 81-19084; ISBN 0-668-05465-4. JSL.

Cont: 1/2tp; tp; publ data; introd; text; appendix table; index.

Simply-written work which contains much useful information but all in the form of definitions with very little of value to the person who expects to use this as a "guide," as claimed by the author, for either buying gems or jewelry. Numerous mistakes; misleading statements; no references. Rev *J Gemm*, 18, 3, 1982, 252. There is a London issue; not seen.

5501. ROBINSON, DAVID(1932-)

Pricing | Precious and Semiprecious | Gems | by | David Robinson | Published By | ATR Enterprises | P.O.Box 2358 | Prescott, Ariz. 86301 [1974]

Centerstapled: 37, [1], [2 blank]p; 7 fig. White paper wrap, red title on cover with photos of jewel & gems; vita & other publ bks back cover. 20.3 x 13.5 cm(8 x 5 1/4 in). Cut. $1.95. JSL.

A trivial work, beginning with several "yarns" which do nothing to further the reader's knowledge of pricing principles, followed by several pricing rules, characterized by statements such as "sapphire collectors like a "cornflower blue," which is the same as the silk at the end of corn ears - a deep blue with a trace of purple." The figures show inclusions which are not explained but merely called flaws. The body of the work actually is a set of tables of gemstones, listed alphabetically with prices given versus quality and size; how these are arrived at is not stated but it is interesting that they differ little from those given in Sinkankas' *Standard Catalog of Gems* 1968.

5502. ROBINSON, FREDERICK S

The | Connoisseur | Essays On The | Romantic And Picturesque | Associations Of Art | And Artists | [orn] | By Frederick S.Robinson | [square vignette] | New York | Longmans, Green And Co. | 1897 [title in red & black]

8°: vii, 299, [1]p. Pale green cloth, ruled frame on cover in gold, similar blind frame back cover; gold spine title. 22 x 14.3 cm(8 5/8 x 5 5/8 in). Cut. Teg. JSL.

Cont: 1/2tp; tp; press data; pref; tab cont; 18 chs; errata & addits.

Contains "The Story of the Gem," Ch 14, 203-21, "Jewels and Precious Stones," Ch 15, 222-37, the first on antique engraved gems, including some famous examples, how made, motifs, and engraved gems of later centuries. The second essay discusses jewels in which are set important cut stones and including numerous anecdotes of famous historical jewels such as Marie Antoinette's necklace.

ROBINSON, J B, see WEINTHAL, L

5503. ROBINSON, JOHN CHARLES(1824-1913)

[Privately Printed. | Catalogue | Of The | Various Works of Art | Forming The | Collection | Of | Matthew Uzielli, Esq. | Of | Hanover Lodge, Regent's Park, | London. | [rule] | By J.C.Robinson, F.S.A. | Member Of The Academy Of Fine Arts Of Florence, | &c. &c. | Superintendent | Of The Art Collection Of The South Kensington Museum. | [orn] | London: | Printed By | Joseph Clayton, 17, Bouverie Street, Fleet Street. | [rule] | 1860.

8°: vi, 302, [2]p; engrav front pl with thin paper guard tip-in + 13 other tip-in pls(pls 5-7 engrav), all with thin paper guards. Ch orns, orn inits. Dk green, vertically-ribbed cloth, gold title & date on cover in gold frame with corner floral orns; same frame, blind, back cover; gold spine title. Very pale yellow, dull-finish endp. 24.3 x 15.2 cm(9 5/8 x 6 in). Aeg. The titleleaf is tip-in with next 2 f, conjugate, also tip-in. USGS Kunz Coll, GS 34-310. JSL.

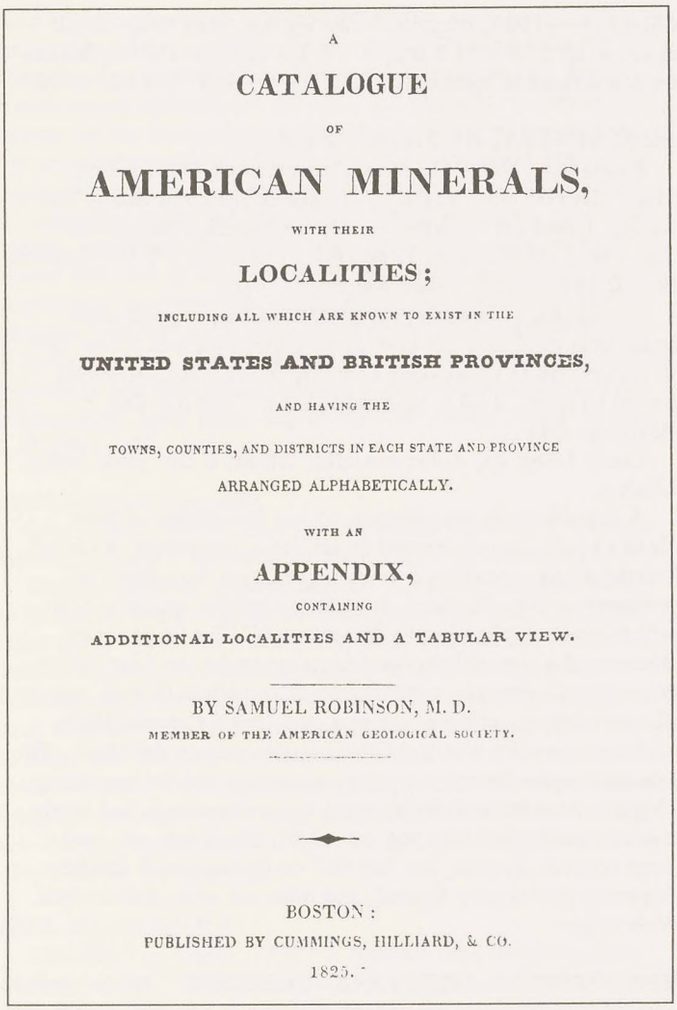
Cont: front; tp; pref; tab cont; catalog.

Annotated catalog; arranged according to classes of objects of which there are 21, from glass and ceramics, enamels, jewelry, engraved gems, and other objects of art, to paintings, illuminated manuscripts, and modern sculpture. A large number of engraved gems appear in Section VII, p 69-188, nos 250-813, antique jewelry, on p 197-211, and a large miscellany which contains some objects of interest to the gemologist appears on p 234-52, passim. The Uzielli Collection was sold the following year(1861) and a sales catalog issued, based on information in the present work, (see CHRISTIE, MANSON, AND WOODS, *Catalogue of the Uzielli Collection*, 1861). See also C W King, *Antique Gems and Rings*, 2, 1872, 42 for comments on this collection.

5504. ROBINSON, SAMUEL

A | Catalogue | Of | American Minerals, | With Their | Localities; | Including All Which Are Known To Exist In The | United States And British Provinces, | And Having The | Towns, Counties, And Districts In Each State And Province | Arranged Alphabetically. | With An | Appendix, | Containing | Additional Localities And A Tabular View. | [rule] | By Samuel Robinson, M.D. | Member Of The American Geological Society. | [rule] | [orn] | Boston: | Published By Cummings, Hilliard, & Co. | 1825.

4°: vi, [2], 316p. Bound in pale blue paper over bds, dull reddish-purple cloth on spine with gold ruled & lett leather label, uncut. Ca 22 x 14 cm (8 3/4 x 5 1/2 in). Also in dk purplish-brown cloth, blind frames with corner orns on both covers; gold spine title & blind rules. Yellow endp. With blank f supplied at each end. 21.7 x 13.5 cm(8 1/2 x 5 1/4 in). Cut. Variations in the simple board bindings noted, perhaps reflecting the binding up of small lots of sheets at any one time to supply demand. LC 11-32953; JSL; Ward & Carozzi 1889; DeGolyer Coll, Okla Univ.



A

CATALOGUE

OF

AMERICAN MINERALS,

WITH THEIR

LOCALITIES;

INCLUDING ALL WHICH ARE KNOWN TO EXIST IN THE

UNITED STATES AND BRITISH PROVINCES,

AND HAVING THE

TOWNS, COUNTIES, AND DISTRICTS IN EACH STATE AND PROVINCE

ARRANGED ALPHABETICALLY.

WITH AN

APPENDIX,

CONTAINING

ADDITIONAL LOCALITIES AND A TABULAR VIEW.

BY SAMUEL ROBINSON, M. D.

MEMBER OF THE AMERICAN GEOLOGICAL SOCIETY.

BOSTON:

PUBLISHED BY CUMMINGS, HILLIARD, & CO.

1825.

5504. First attempt to systematically catalog minerals and gemstones in America

Cont: tp; copyright; pref & abbrev; index; errata; append & addend; tab localities.

First thorough catalog of minerals & their localities in America, borrowing most of his data from Parker Cleaveland's *Mineralogy*, 2nd edit, 1822, and *The American Journal of Science*, and supplementing this information from other sources as explained in the preface. The states are mostly those east of the Mississippi River but include some areas around the Great Lakes("Northwest Territory"), but exclude Texas, Iowa, etc, and include Nova Scotia, New Brunswick, Labrador, and Quebec and Ontario ("Upper" and "Lower" Canada). Numerous localities are given for gemstones, mostly varieties of quartz. Rare.

5504A. -----1989, magnified Facs reprint, print wrap or gilt cloth, wrap 27.9 x 21.5 cm(11 x 8 1/2 in). *Spec Publ* 5, Rochester Mineralogical Symposium, Rochester, NLY. $28.00, 40.00.

5505. ROBLEY, HORATIO GORDON

Pounamu | Notes On New Zealand Greenstone | By | Major-General H.G. Robley | Author of Moko or Maori Tattooing, | And Of | History of the 1st Battalion Argyll and Sutherland Highlanders, 1794-1887. | London | T.J.S. Guilford & Co., Ltd. | Ceres Road, Kingston | 1915

8°: viii, 83, [1 blank]p; 52 sketches. Grayish-green cloth spine with gold title; dk gray-green paper over bds, a rect "tiki" & title on white paper over a slightly larger black paper rect pasted to cover. 24.3 x 18.2 cm(9 1/2 x 7 1/8 in). Cut. BM(NH) Libr.

Cont: 1/2tp; tp; dedic; tab cont; introd; 6 chs; gloss; index; blank p.

A valuable early contribution to our knowledge of New Zealand jade, "An endeavour to set down the results of careful investigations extending over many years on the subject of *pounamu* or New Zealand greenstone, and the special uses to which it was applied by the Maori(p vii)." The first chapter discusses the materials lumped together under the term "greenstones," with remarks on the minerals contained therein, nomenclature of types, sources, varieties, and uses for special kinds, with notes on the history of these stones among the Maori. The second chapter describes lapidary treatment and the remaining chapters describe and depict many types of carvings and implements according to uses, eg, war clubs, ornaments, etc, and in a large separate chapter, the "hei-tiki" or curious small amuletic figurines, grotesquely figured, and often set with abalone eyes. Very scarce.

5506. ROCKS & MINERALS MAGAZINE Special opal number. Vol 8, no 1, Mar 1933, includes the important "Opal glossary" by G Frederick Shepherd, 43-50, and "Opal bibliography," by same, 51-60, 239 entries.

5507. -----1936 Special agate number. Vol 11, no 9, Sept-Oct 1936. Over twenty articles and including the large "Agate glossary" by Peter Zodac, 190-92, and "Agate bibliography" by same, 197-200.

5508. RODEWALD, HANS J

Dr.rer.nat. Hans J.Rodewald, Neuhausen am Rheinfall | Zur Genesis | Des Diamanten | Beiträge zur Kenntnis der Diamantbildung in der Natur und im Labor | und zur Polymorphie der artfremde Gitter | bildenden Modifikationen | Verlag Meier & Cie, Schaffhausen(Schweiz) | Inhaber Dr.Carl Oechslin & Cie [1960]

8°: 69, [3 blank]p; 16 fig. V pale gray paper wrap, title on cover. 21 x 14.8 cm(8 1/4 x 5 7/8 in). Cut. SFr 8.60. JSL.

A collection of papers, some first published elsewhere, on genesis of kimberlite diamonds in relation to geochemistry of pipe contents, comments on Prandtl's attempts to synthesize diamonds and comparing his method to that of Moissan, the Hannay synthesis, and the clarification of carbon polymorphs on the basis of similarities to polymorphs of phosphorus. Rev *J Gemm*, 13, 4, 1972, 151.

5509. RODGERS, PETER R

Agate Collecting | In Britain | Peter R.Rodgers | B.T.Batsford Ltd | London and Sydney [1975]

12°: 96 p; 4 col pls on 2 glossy bound-in f; 74 fig(photos, sketches, maps). Dk green cloth-type paper over bds; gold spine title. Col dj, resume, other bks of publ. 24.8 x 16.5 cm(9 3/4 x 7 1/4 in). Cut. £ 4.95. ISBN 0 7134 3056 7. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ackn; pref; introd; 8 chs; catalog of localities; biblio(p 92-3, 31 entries); lapidary soc list; suppliers list; index.

The first two chapters treat generally the nature of quartz and its varieties, and the formation of agate, but are flawed in some places by errors of fact and misleading statements. The third chapter describes the varieties of agate in which the author introduces several new names, and is followed by a chapter which treats the geological occurrences in Scotland, using sketch maps of lava flows where agates occur and noting remarks in J F Heddle's work on Scottish mineralogy and his collection of agates. Classic localities in Scotland are described next, most of them personally visited by the author, and with another chapter that describes agate collecting sites elsewhere in England and Wales, with a last chapter remarking on the history of agate in various cultures, its lapidary treatment, and brief and inadequate notes on dyeing agate. On the whole, an excellent work, and the only book-form monograph for the agates of the British Isles. The illustrations are very good but the color photographs suffer from backgrounds that are too dark, Rev *Gems*, 8, 1, 1976, 32.

ROEDDER, EDWIN(1919-)

USA mineralogist, geochemist; B Monsey, NY; BA Lehigh U 1941; AM, PhD Columbia U 1947, 1950; hon PhD Lehigh U; staff USGS since 1955; spec in mineral inclusions.

5510. -----1962 Ancient fluids in crystals. *Sci Amer*, 207, 1962, 38-47, 13 ill (photos, diagrs, some col). Reprint 854, issued by W.H.Freeman & Co, 1962, print wrap, 11, [1]p, same ill; author vita & refs on back wrap. JSL. Important paper summarizing events in crystallization and entrapment of fluid/gas inclusions; such inclusions highly important in study of gemstones.

5511. -----1972 Chapter JJ. Composition of fluid inclusions. In Data of geochemistry, 6th edit, Michael Fleischer, Editor, *USGS PP* 440-JJ, 1972. Gray, print wrap, X, JJ1-JJ164, Pls 1-12 (88 photos on one side of f with captions facing); there is a front color photo pl with 4 photos; 4 fig; 8 tab; biblio ca 1500 entries. JSL. Very important paper: "mainly a compilation of the world literature on the methods and results of study of their [fluid inclusion] composition." A paper that should be at hand in any gemological laboratory; contains not only a vast fund of information on the nature and composition of inclusions but also illuminating discussions of the history of fluid inclusion research, the ways by which inclusions are trapped, and their subsequent appearances in the crystals, the methods used to examine their contents, etc. The exhaustive references mention studies from Robert Boyle to the present.

5512. -----1984 Fluid inclusions. *Mineralogical Soc Amer Reviews in Mineralogy*, vol 12, Wash, DC, 1984. Cementb: vi, 644 p; many ill. 22.8 x 15.1 cm(9 x 6 in). $4.00. Generalities on inclusions, investigative history, origins, sampling &

examining, formational environments and their typical inclusions, etc. Biblio p 595-644, ca 2000 entries. An extension of entry above and even more valuable to the gemologist. Rev L S Hollister, *Canad Mineral*, 23, 4, 1985, 682.

5513. ROGERS, AUSTIN FLINT(1877-1957) Mineralogy and petrography of fossil bone. *Geol Soc Amer Bull*, 35, 3, 1924, 535-56, Pls 26-9. Definitive study and useful to Western USA lapidaries who sometimes cut & polish dinosaur bone.

ROGERS, A W, see DUTOIT, A L, et al

5514. ROGERS, CEDRIC

A Collector's Guide to | Minerals, Rocks | And Gemstones | in Cornwall and Devon | Cedric Rogers | D.Bradford Barton Ltd | Truro [1968]

Centerstapled: 48 p, text to inside back cover; 10 sketch maps, many other sketches. Col paper wrap, titled. 21.5 x 13.8 cm(8 1/2 x 5 1/2 in). Cut 8s.6d. JSL.

A little general mineralogy followed by sections on gemstones, rocks, and minerals, and suggested sites for collecting based on index maps.

5515. -----1973

Finding | Britain's | Gems | [orn] | Edited by | Cedric Rogers | [orn] | Published by Lapidary Publications, | 29, Ludgate Hill, | London, E.C.4. [1973]

Centerstapled: [2], 62 p; 19 sketches, maps, photos, Col paper wrap, orange, black, white sketch on cover; introd is inside front cover; adverts elsewhere. 17.2 x 15 cm(6 3/4 x 5 7/8 in). Cut. JSL.

Cont: introd; tp; tab cont; pref; 3 sects; lapidary notes; adverts.

Compiles relevant parts of articles originally published in *Gems* magazine, London. Section 1: general view of gemstones found in Britain, Wales, Scotland, 2: specific sites, 3: miscellany of information, including elements of mineralogy, use of maps, trip planning, legal aspects of collecting, and short section on lapidary work on how to choose suitable materials that accept a polish.

5516. ROGERS, FRANCES & BEARD, ALICE

[beaded rule] | 5000 Years Of | Gems And Jewelry | by | Frances Rogers | and | Alice Beard | With line drawings by the authors | and sixteen illustrations in halftone | [vignette jewel] | Frederick A.Stokes Company | New York 1940 | [beaded rule]

8°: xxii, 309, [5 blank]p; front photo pl with tissue tip-in; 14 others without tissues also tip-ins, all pls on glossy paper; 75 fig. Black, ribbed cloth, blind jewel on cover, gold title, rules, blind jewel on spine. Terra cotta pattern of Egyptian jeweler's workshop on pale gray endp. Black dj, col gems on covers & spine; resume. 20.6 x 14.1 cm(9 1/8 x 5 1/2 in). Te stained terra cotta; fe untrimmed. $3.75. LC 47-31249. JSL. Reprint same but in pebbled black cloth.

Cont: 1/2tp; other bks of authors; front; tp; publ data; tab cont; ill lists; fwd; text tp; 17 chs; 3 append(III, biblio, p 293-5, 43 entries); gloss; index; 5 blank p.

The authors having written on other applied arts subjects do not pretend to be experts in gemology but as the present work indicates, they have been careful in their research, discriminating in their choice of material, and accurate in its paraphrasing. For these reasons, this work has retained a high esteem for many years and remains a useful reference today. The text is in three parts, the first devoted to the history of jewelry in its many manifestations throughout the ages, but prefaced by a short chapter on the fascination of gemstones, and elsewhere in the text imparting considerable information on engraved gems, rings, and ringstones. However, the concentration of gemological material is in the last two parts wherein gemstone properties, crystals, imperfections, falsifications, and other topics are briefly treated followed by descriptions of gemstones in the categories of precious, semi-precious, quartz gems, and ornamental stones, and also "marine" gems, here referring to pearl, coral, but also to amber and jet. The appendices provide a tabular overview of gemstones and their characteristics, a list of birthstones, and the bibliography. Most plates depict items of jewelry. Rev *G & G*, 3, 9, 1941, 138.

5517. -----1947, rev edit

[same rule] | 5000 Years Of |...| [same vignette] | J.B.Lippincott Company | Philadelphia New York | [same rule] [1947]

"Revised Edition" appears only on p[iv] and dj; minor changes in front matter; front pl less tissue; smooth black cloth, gold spine title without the blind jewel; plain white endp. 20.2 x 14.2 cm(8 x 5 5/8 in). Te stained pale green. JSL. Text appears identical and printed from same plates. There is a 2nd impression, with all edges trimmed; 3rd impression identical but lacks te stain; 4th "Printing" sic, bears same date but all front matter is reset, foreword omitted, also the glossy plates & front, and now bound in red cloth; gold spine title, similar dj. 20.2 x 13.7 cm(8 x 5 3/8 in). Ae cut. $4.95. Paged: x, 309, [1 blank]; there is also a similar 5th printing.

5518. ROGERS, R J

Dictionary of Gems. | **** | Precious And Semi-Precious Stones. | **** | By R.J.Rogers, F.G.A. | Birmingham | Jones & Palmer, Limited, | 99 & 100, Albion Street. [title stars sic; 1933]

8°: xi, [1] blank], [1], [1 blank], 57, [1]p; tip-in glossy col pl. Blue cloth, blind frame on cover, gold title; gold spine title. 18.4 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. 5s. JSL.

Cont: tp; front; fwd; study of gems; abbrev; text tp; dictionary; notes section; index.

Mostly an alphabetical list of gemstones and varieties with brief definitions, properties, other useful data; notes section, 42-57, gives data on crystal systems, cutting, properties, synthetics, birthstones, and short table of useful measures. The color plate, of emerald, is one of series formerly issued by the British Museum(Nat Hist) in London.

ROGERS, T, see JACKSON, J

5519. ROHDE, ALFRED

Bernstein | Ein Deutscher Werkstoff | Seine künstlerische Verarbeitung | vom Mittelalter bis zum 18.Jahrhundert | Von | Alfred Rohde | Deutscher Verein für Kunstwissenschaft | Berlin 1937

P[i]: "Denkmäler Deutscher Kunst | Herausgegeben vom Deutscher Verein für Kunstwissenschaft."

2°: [ii], 83, [1]p + 118p + [1 blank]f; the 118 pages bear 317 photos; elsewhere 40 text fig(mostly photos). Dull orange-tan unfin coarsely-woven cloth, gold title on cover & spine.

Ribbed, ivory endp. 25.4 x 35 cm(10 3/8 x 13 3/4 in). Cut. Textpaper semi-glossy; plates paper much thicker. JSL.

Cont; ser tp; print data; tp; dedic; tab cont; fwd; quot; introd; 3 chs; index to objects ill on pls; index of collections; general index; print data; pls section; blank f.

This is the next major work on amber after O Pelka's pioneering book of 1920, which see. The brief introduction discusses the nature of amber, its sources, and its commerce with the information derived from several other works on amber. The text itself is in three chapters, the first describing amber objects produced during the Middle Ages, the second those of the Renaissance, and the third chapter the objects of the 17th and 18th centuries. Much historical information characterizes the first two chapters, especially when speaking of the organization and monopoly of the Baltic amber industry by Prussia but otherwise the text is largely descriptive of the many uses in decorative arts that amber was put, and with comments on the artists, procurement and fabrication of the pieces, important larger works, and notes on major collections. The plates depict several pieces per page in fine quality photographic reproductions of a truly wide variety of objects, made in whole or in part of amber, and representing applications from utilitarian to purely decorative. There are several photographs of the celebrated "Amber Room" in Tsarskoe Selo Palace, Leningrad. Scarce and increasingly valued.

5520. -----1937

Das Buch | vom Bernstein | Bernstein ein deutscher Werkstoff | von | Alfred Rohde | Im Ost=Europa=Verlag, | Königsberg (Pr) und Berlin W.35 [1937]

8°: 56 p, including ill leaves; 34 photos of amber objects on p 25-56, glossy paper. Orange-yellow mottled heavy paper wrap, sepia lett in frame in cover. 18 x 11.9 cm(7 x 4 3/4 in). Cut. JSL.

Cont: tp; publ data; text; pls.

Brief, useful summary of German amber trade history, abstracted from the author's much larger work above. Topics: blue ground, founding of the industry, the "amber masters," exploitation of Baltic amber deposits and shore deposits from 14th century onward, changes during the Reformation(ca 1517), trade problems, uses of amber in the arts, etc. G R v Bock, 1981, 179, gives a second date of 1941, possibly a reprint.

ROJO, JUAN BERNARDINO, see ROXO, J B

5521. ROLANDI, VANDA Edelsteine aus dem Tierreich: eine gemmologische Untersuchung über das aus Cnidaria(Korallen) stammende Schmuckmaterial. *Der Aufschluss*, 35, 1984, 251-65, 15 ill(1 col), 3 tab, 19 ref. JSL. Important discussion on corals as raw material for ornamental purposes; photos of fine structure. Publ in Engl transl in *Rendiconti Soc Ital Min e Petrol*, 37, 1981, 703-18(not seen).

ROLLET, H, see BUCHER, B, et al

5522. ROLT-WHEELER, FRANCIS(1876-)

The | Gem-Hunters | By | Francis Rolt-Wheeler | Author of "U.S.Service Series" | With Thirty-One Illustrations | From Photographs And Prints | [logo] | Boston | Lothrop, Lee & Shepard Co. [1924; "Museum Series"]

12°: 362, [6 advert]p; tip-in glossy front photo pl + 29 photos on 14 tip-in glossy f. Pale grayish-blue cloth, purple & orange lett & sketch of elephant & howdah on cover, plus rect cut-out photo pl pasted to cover recess below; purple lett, rules, panel on spine with yellow crown & sword. Similar dj, in very pale gray paper; resumes. 19.8 x 13.7 cm(7 3/4 x 5 3/8 in). Cut. $1.75. LC 24-11572. JSL.

Cont: 1/2tp; other bks of author; front; tp; publ data; pref; tab cont; ill list; 11 chs; adverts.

A fictional account of the struggle between Boers and English to obtain control of the South African diamond fields as seen through the eyes of its principal character, a young boy of Dutch descent who grows up through the early days of diamond mining and the Boer War. His guardian angel is an erudite gem expert and seer, who instructs the lad(and the reader!) in many aspects of geology, mineralogy and gemology, all incident to the unfolding of the tale. Rolt-Wheeler sympathizes with the Boers and roundly condemns the British behavior in South Africa. On the whole, and disregarding the political overtones, a creditable work with much useful information. The author produced numerous books for juveniles in the same style, one series being the "U S Services Series," in which other youngsters serve with the U S Geological Survey, the U S Forestry Service, and the like, and all such works becoming enormusly popular and printed in substantial numbers. They are now quite scarce. The above work appeared in a reprint: pale gray cloth, with cover decor in orange as also on the spine, and, curiously, the blade of the sword on the spine omitted; dj printed in one color only.

ROMAIN, A, see JULIA DE FONTENELLE, J S E, 1884

5523. ROMANOV, D Poezdka na priiski lazorevogo kamnya v okrestnostyakh Baikala [A trip to find lapis-lazuli in the vicinity of Lake Baikal]. *Russki Vestnik [Russian Information]*, Moskva, vol 24, bk 2, Nov 1859, p 117-38. Not seen.

ROMANOVSKII, E O, see FERSMAN, A E, 1920

ROME, City of, MUSEO VICTORIO, see VETTORI, F

ROMÉ DELISLE, or DE L'ISLE, JEAN BAPTISTE LOUIS(1736-1790)

Fr physician, mineralogist; stud humanities Paris; as mbr Fr artillery company in India, captured by Brit; returned to Fr via China in 1764, his experiences during these travels turning him to study nat hist, esp mineralogy; wrote several mineralogical collection catalogs, including that of DAVILA, which see; the study of this extensive collection led him to form his own which he later described in his *Description méthodique d'une collection de minéraux, du cabinet de M.D.R.D.L.*, Paris, 1773. The publication of his *Essai de cristallographie*, see below, brought to the world the first extended systematic treatise on mineral crystals and by use of the contact goniometer also published for the first time the constancy of interfacial angles among various mineral species. In a letter from Linnaeus(1707-1778) to Romé Delisle, dated May 19, 1773, he placed the *Cristallographie* in the first rank of mineralogical works written in the 18th century. *Biogr Univ*, 38, 521-4; DSB 11, 521; Pogg 2, 682; Mather & Mason, *Source Book Geol*, 108-10.

5524. -----1772

Essai | De | Cristallographie, | Ou | Description | Des Figures Géométriques, | Propres à différens Corps du Regne Minéral, | connus vulgairement sous le nom de Cristaux, | Avec Figures Et Développemens. | Par M. De Romé Delisle, de l'Académie | Electorale des Sciences utiles de Mayence, | [orn] | A Paris, | Didot jeune, Libraire, Quai des | Augustins, pres le

Pont S.Michel. | Knapen & Delaguette, Libraires- | Imprimeur, en face du Pont Saint | Michel. [prev 5 lines enclosed in curved bracket preceded by "Chez"] | [double-rule] | M.DCC.LXXII. | Avec Approbation & Privilége du Roi.

8°: xxxij, 427, [2], [3 blank]p; a-b^8, A-Dd^8, first f blank; 2 large fold tables, 10 fold engrav pls of crystal forms & diagrams. The latter are small enough to be bound-in without folding in some copies examined; in the present copy(JSL) both tabs & pls bound-in betw p 384-5. 20 x 13.5 cm(7 7/8 x 5 3/8 in). Cut. Also, very rarely, in large paper: 26.1 x 19.4 cm(10 1/4 x 7 5/8 in), uncut, in P G Embrey coll; Ward & Carozzi, 1906.

Cont: blank f; 1/2tp; quot; tp; dedic; pref; annot biblio; explan of geometric terms; description order; text; tab of affinities of crystals; tabs; pls; errata; index; approb; 3 blank p.

The first systematic and extended crystallography based on the author's own measurements of interfacial angles using the contact goniometer. It is far more than a simple treatise on crystals and is actually a large descriptive mineralogy in which the properties, sources, and other useful facts are provided as well as crystallographic information. The classification scheme, based on Linnaeus, takes up "saline" crystals or salts, mostly from the mineral kingdom but also including certain vegetable and animal compounds, followed by the "stoney" crystals, or those that are typical of rock-forming minerals, eg, spars, gypsum, fluorite, mica, quartz, gem-minerals, basalt-like crystals, and zeolites. The third class treats pyritic crystals while the last treats the semi-metallics and metals. Each part is preceded by discussions of crystals and the significance of the geometric forms found upon them. Gemological information is mostly in the second part: quartz crystals, p 167 ff, in which appear amethyst, citrine, smoky quartz, and others, and the "gem crystals" on p 194 ff as diamond, ruby, sapphire, topaz, chrysolite, hyacinth, emerald, aquamarine, then the "basaltic" crystals from p 343 which refers to crystal forms that resembled the shapes of basalt columns, eg, tourmaline, basalt itself, schorl, peridot, and others. There is a great deal on information in all sections and numerous excerpts from the many previous treatises that Romé De Lisle assiduously studied and cited in footnotes as well as in the bibliography, all of it forming a valuable overview of contemporary European mineralogical knowledge. For an early evaluation of this work and its second edition, consult Franz von Kobell, *Geschichte der Mineralogie*, 1864, p 73 ff; C M Marx, *Geschichte der Crystallkunde*, 1825, 120-31, and, more modernly, J G Burke, *Origins of the Science of Crystals*, 1966, in which numerous references to Romé De Lisle are made. DSB, 11, 522. Pogg 2, 682; *BM(NH) Cat*, 4, 1727. *Hoover Cat* 689.

5525. -----1777 Transl into Ger by Ch Weigel de Greifswald, accord to *Biogr Univ*, 38, 523.

5526. -----1783, 2nd edit

Cristallographie, | Ou | Description | Des Formes Propres A Tous Les Corps | Du Regne Minéral, | Dans l'état de Combinaison saline, pierreuse | ou métallique, |...[5 lines]...| Seconde Édition. |...[rule, 3 lines quot, rule]...| Tome Premier[-Quatrième]. | [royal badge] | A Paris, | De L'Imprimerie De Monsieur. | [double-rule] | M.DCC.LXXXIII. [quot on the tp's differs]

8°: xxxviij, [2], 623, [1 blank]p; a-b^8, c^4, A-Qq^8 [3], [1 blank], 659, [1 blank]p; pi^2, A-Ss^8; Tt^2 [3], [1 blank], 611, [1 blank]p; pi^2, A-Pp^8, Qq^2. Vol 4, pls vol: xvj p + pls section, Pls I-VIII (actually 12 engrav pls, several being multiples; 32 fold tab) + p 1-80; the signatures include the tables accompanying the plates as follows: a^8, A-Q^8. with sig A-L assigned to the fold tables, and M-Q to the following text. Ch orns. LC 12-1670.

In many, if not all copies of this work, the following treatise which appears to be a supplement to the principal work, treats exterior characteristics of minerals:

5527. -----1784

Des Caracteres | Exterieurs | Des Minéraux, | Ou | Reponse A Cette Question: | Existe-t-il dans les Substances du Règne Minéral des | Caracteres qu'on puisse regarder comme spécifiques; & au | cas qu'il en existe, quels sont ces Caracteres? | Avec un apperçu des différens Systêmes lithologiques | qui ont paru depuis Bromel jusqu'à présent. | Suivi | De deux Tableaux synoptiques des Substances pierreuses et | métalliques, pour servir de suite à la Cristallographie. |...| A Paris, |...| M.DCC.LXXXIV. | Avec Approbation, Et Privilege Du Roi.

8°: [3], [1 blank], 82, [2]p + 3 fold tab; pi^2, A-E^8, chi2; tabs are unsigned; they include gemstones. 21.5 x 14.5 cm(8 1/2 x 5 5/8 in). Uncut. JSL. According to *Biogr Univ*, 38, 523, 50 large paper copies were issued. Wood & Carozzi, 1907; JSL. Agassiz IV, 207. Böhmer, IV, 1, 74.

Cont: I: 1/2tp; source & approb; tp; dedic; pref; introd; text; blank p. II & III, each with 1/2tp; source & approb; tp, text. vol IV; tp only, instructions to binder; synoptic index to prev 3 vols; pls; tabs; explan of Pl VIII; tab of principal crystal angles; names of substances depicted on Pls I-VIII. The "Caracteres Exterieurs" contains: tp; text; approb; 3 fold tabs.

In this enormously enlarged edition, there is incorporated much matter that was elucidated since the appearance of the first edition as well as that by "naturalists and others interested in this subject to contribute to the perfection of the publication," noting that "the work I now present to the public is not solely a crystallography... but also a lithology in concert with mineralogy, and with my generalized ideas on a theory of the Earth." The information on gemstones is also greatly enlarged, in which his thorough search through the literature is apparent, not only among geologies and mineralogies, but also citing Jeffries *Treatise on the Diamond*. Especially significant here is incorporation of the new knowledge of chemical composition of gem minerals as developed by T Bergman and others.

ROMÉ DELISLE, J B L, see DAVILA, P F

5528. RÖMER, O Untersuchungen über den feineren Bau einiger Muschelschalen. *Zs wissenschaftliche Zoologie*, Leipzig, 75, 1903, 437-72, Pls 30-32. Fine structure of nacre and description of regularly-formed minute crystals of calcium carbonate.

5529. ROOKSBY, H P Jewels and stones for industrial purposes by H.P.Rooksby, B.Sc., F.Inst.P., of the Research Laboratories of the General Electric Co., Ltd., Wembley, England. *J Roy Soc Arts*, no 4722, Jul 19, 1946, vol 94, 508-25. Includes synthetic gemstones. JSL.

5530. -----1947 Synthetic corundum. *J Gemm*, 1, 1, 1947, 24-38, 6 fig. JSL.

5531. ROOT, FORREST K

The Geological Survey Of Wyoming | [double rule] | Dan Miller, State Geologist | Bulletin 56 | [rule] | Minerals And Rocks | Of | Wyoming | By | Forrest K.Root | [state seal] | University Of Wyoming | Laramie, Wyoming | July, 1972 | Price: $2.00

Centerstapled: [4], 56, [4 blank]p; 4 tabs; 47 col photos, 9 fig, 3 sketch maps. Thick col wrap, title on cover with col photo agate slice, col sketch physiographic provinces map on back cover. 22.8 x 15.1 cm(9 x 6 in).

Briefly introduces geology & mineralogy, then describes and locates deposits of minerals & rocks, among them quartz varieties, nephrite, and beryl.

ROPARTZ, S, see MARBOD, 1873

ROQUEFORT, B, see MILLIN, A L, 1826

5532. ROSAS JÚNIOR, JOSÉ

Palácio Nacional Da Ajuda | Catálogo | Das | Jóias E Pratas Da Coroa | [col orn] | 1954 [Porto: Litografia Nacional, 1954]

Final f: "Deste Catálogo... Fez Uma Tiragem De Mil E Quinhentos Exemplares... E Mais Doze Exemplares Em Edição Especial, Estes Rubricados Pelo Autor."

2°: 38, [2 blank]p + 52 pls on as many f, 3 in col on heavier paper with captioned tissues + [1], [1 blank]p. Stiff, white wrap, with pale tan outer wrap bearing baroque frame on cover enclosing title, all in rect frame and part tinted; black spine title. 26.1 x 20.1 cm(10 1/4 x 7 7/8 in). Cut. The wrap overlaps text. JSL.

Cont: blank f supplied + 1/2tp; tp; print data; pref; introd; text tp; cat; blank f; Fr transl of introd; same in Engl; blank f; pls; publ note; blank p.

Catalog of the meager remnants of the Portuguese crown jewels and plate preserved in Ajuda Palace, Lisbon. The introduction explains that Portugal was in an excellent position to acquire wealth from the Indies and the New World and form an impressive crown collection but subsequent political events forced disposal of many of the items. Brief descriptions of crowns, jewels, orders, arms, etc, and much ornately sculptured plate. The three color plates depict an order of the golden fleece, an emerald & diamond pin, and an order of the sacred heart. All of it is handsomely designed and made from high quality materials.

5533. ROSCH, SIEGFRIED(1899-1984) Beitrag zum Brillanzproblem. *Zs Kris*, 65, 1/2 1927, 46-68, 14 fig. JSL. Highly detailed study of generation of brilliancy in faceted gems, particularly the standard brilliant cut, and considering optical activity contributed by all facets; with experiments, including the photography of reflections for purposes of improving design. Important. Rosch was a noted Ger mineralogist; obit *Zs Dt Gemm Ges*, 33, 1/2, 1984, 85-7.

5534. -----1929 Darstellung der Farbenlehre für die Zwecke der Mineralogen. *Fortschritte Min*, Jena, 13, 1929, 74-234. Not seen.

5535. ROSE, AUGUSTUS FOSTER(-1946) & CIRINO, ANTONIO

Jewelry | Making and Design | An illustrated text book | for Teachers, Students of Design, and | Craft Workers in Jewelry | By | Augustus F.Rose | Author of "Copper Work" | Head of the Departments of Jewelry and Silversmithing, | and Normal Art, Rhode Island School of Design | and | Antonio Cirino, B.S. | Assistant in Departments of Jewelry and Silversmithing, | and Normal Art, Rhode Island School of Design | [logo] | Metal Crafts Publishing Co. | Providence, R.I. [title in single-rule frame; 1917]

8°: blank f supplied + [2], xiii, [1 blank]p + p5-463 + [1 blank]p + blank f supplied; col front tip-in pl with tissue, 12 others with tissues, 146 photos on 132 pls(includ in pag) + 318 text figs(some unnumb!). Tan buckram, gold title & orn on cover; gold spine title. Pale brown endp. 22.7 x 15.4 cm(9 x 6 in). Cut. JSL.

Cont: blank f; front; tp; publ data; blank f; tab cont; ill lists; fwd; introd; 54 chs in 2 bks; blank p; blank f.

One of the most influential practical books ever published on the design and construction of jewelry pieces based on techniques developed in the famous Rhode Island School of Design in the jewelry-making capital of Providence, RI. It is exceptionally detailed, clearly written, and is still prized today because so much of its technical matter remains useful. To acquaint students and others with the raw materials of jewelry, the authors provide brief remarks on the principal and many minor gemstones in the first chapter, p 11-21, and illustrates same with two color plates of cut & rough taken from G F Herbert Smith's *Gemstones*; there is an equally brief explanation of lapidary processes in Ch 2, 22-30.

5536. -----1949, rev edit

Jewelry | Making and Design | Revised Edition | An illustrated textbook | for Teachers, Students of Design and | Craft Workers | By | Augustus F. Rose | Author of "Copper Work" | Formerly Head of the Departments of Jewelry and Silversmithing, | and Art Teacher Education, Rhode Island School of Design, and | Director of Manual Arts, Providence Public Schools | and | Antonio, Cirino, B.S. | Head of Division of Teacher Education, | Rhode Island School of Design | The Davis Press, Inc. | Worcester, Mass | 1946 [framed title]

8°: xx, [2], 409, [3 blank]p; col front pl + 9 others, each on glossy f tip-in; 323 fig, some unnumb. Brown-orange cloth, cover & spine titles in brown. 22.9 x 15.2 cm(9 x 6 in). Cut. JSL.

Cont: front; tp; publ data; dedic; fwd; tab cont; ill lists; introd; text tp; text; 3 blank p.

Entirely reset in smaller type size; omits col pls of gemstones, also tissues on the other pls; minor text revisions only.

5537. ROSE, G

Department Of Mines | Geological Survey Of New South Wales | F.W. Booker, Government Geologist | The Mineral Industry Of New South Wales | No.18 | Gemstones | Compiled by G.Rose | August, 1960 | Issued under the authority of the | Hon.J.B.Simpson, M.L.A., Minister for Mines | 24109-1 [Sydney, NSW]

Centerstapled: 59, [1], [2 blank]p; fold part-col sketch map tip-in inside back cover; 4 fig(sketch maps). V pale gray paper

wrap, cover title, other publs back cover. 23.5 x 15.5 cm(9 1/4 x 6 1/8 in). Cut. 75c. JSL.

Cont: tp; tab cont; 16 chs(Ch 16, biblio, p 55-60, 98 entries); localities.

Begins with general remarks on uses of gemstones and a list of buyers, then takes up the gemstones in this order: opal, diamond, corundum, beryl, topaz, turquoise, garnet, spinel, titanite, sircon, and quartz. Several miscellaneous gemstones are mentioned in Ch 15. Most space is given to precious opal with remarks on history of discovery and mining and the several mining areas as Lightning Ridge, White Cliffs, Tintenbar, with sketch map for Lightning Ridge and White Cliffs. Diamond also receives extended remarks with sketch maps provided for Bingara and Copeton fields.

ROSE, GUSTAV(1798-1873)

Eminent Ger mineralogist/ crystallographer; B Berlin; stud under Berzelius in Stockholm and C S Weiss in Berlin; PhD Berlin U 1820; in charge their collection 1822; assoc prof mineralogy 1826, prof 1839. Author many highly important works esp crystallography; devised a scheme for rock classification. Pogg 2, 692-4; *Allgemeine Dt Biogr* 29, 175; DSB 11, 539-40; *R & M*, 56, 2, 1981, 75-6, portr.

5538. -----1837-1842

Mineralogisch-geognostische | Reise | nach dem | Ural, Dem Altai | und dem | Kaspischen Meere | von | Gustav Rose. | [rule] | Erster[-Zweiter] Band. | Reise nach dem nordlichen Ural und dem Altai. | [rule] | Mit Kupfern, Karten und Holzschnitten. |[taper rule] | Berlin, 1837[-42]. | Verlag der Sanderschen Buchhandlung. | (C.W.Eichhoff.)

Vol II: ... von | Gustav Rose. | [rule] | Zweiter Band. | Reise nach dem südlichen Ural und dem Kaspi- | schen Meere, Uebersicht der Mineralien | und Gebirgsarten des Ural. | [rule] | Mit Kupfern, Karten und Holzschnitten. | [taper rule] | Berlin, 1842. | Verlag der Sanderschen Buchhandlung. | (G.E.Reimer.)

Facing both titles:

Reise | nach dem | Ural, Dem Altai | und dem | Kaspischen Meere | auf Befehl Sr.Majestät des Kaisers von Russland im | Jahre 1829 ausgeführt | von | A. von Humboldt, | G.Ehrenberg und G.Rose. | [rule] | Mineralogisch- geognostischer Theil und historischer | Bericht der Reise | von | G.Rose. | [taper rule] | Berlin, 1837. | Verlag der Sanderschen Buchhandlung. | (C.W.Eichhoff.) [for vol 2: "Berlin, 1842. |...| (G.E.Reimer.)"

I:8°: XXX, 641, [2]p; 11 engrav pls(4 maps, part col; one fold part col map of Ural Mts measuring 55.5 x 73.8 cm(22 x 29 in); 4 wood engrav; 13 tab. 21.5 x 13.3 cm(8 1/2 x 5 1/4 in). Cropped. JSL. GS 11-20.

II: XV, [3],606 p; 5 engrav pls(3 maps, fold, part col); 5 fig; 34 tab. JSL.

Cont: I: ser tp; tp; dedic; pref; tab cont; ill list; text; errata; pls. II: ser tp; tp; tab cont; ill list; text; errata; pls.

Already a famous mineralogist, Gustav Rose was chosen by Alexander von Humboldt(1769-1859) to accompany him on his scientific expedition through the realm of Tsar Nicholas I(1796-1855) in the year 1829, Humboldt leaving Berlin on 12 April and returning 28 December. Rose was responsible for the acquisition of mineralogical information and geology, and for keeping the journal of the expedition. The present work is his official account of the journey interspersed with his mineralogical/geological observations, of which there are many, and often in careful detail and stressing the unusual or remarkable. Rose appreciated gemstones and for this we can be grateful for much information he includes on the gemstones of Russia, where they occur, how mined, and other remarks of value, Particularly of interest is his account of amber recovery from the Baltic Sea shoreline, and details on its sorting and marketing, with sharp remarks on the activities of the amber monopoly. Mineral collections in St Petersburg, in which are contained gem crystal specimens, also the Shah and Orlov diamonds, are described, with these famous stones being figured on one of the plates and therefore becoming one of the earliest reliable representations of same. Other descriptions include the gemstone deposits around Ekaterinburg, now Sverdlovsk, in the Ural Mountains, its lapidary establishments, and the alluvial diamonds of these mountains, to which considerable historical detail is devoted. While the gem-bearing deposits of Mursinka receive good coverage only a brief account is given of the emerald mines. Rose also includes excellent accounts of the lapidary plants noted for their creation of large objects of ornament from a variety of attractive stones at Kolyvansk in the Altay Mountains. In the second volume of his treatise, he describes the pegmatite gem deposits of the Ilmen Mountains, a deposit of aventurine quartz, the famous colored jaspers of the Orsk area, and gives a short but excellent account of the discovery of the alexandrite variety of chrysoberyl in the emerald mines. A systematic review of the mineralogy of the regions visited also appears here on p 443-604, and includes gemstones and the localities where found. The importance of Rose's account cannot be overemphasized and is specially valuable for its material on the famous diamonds in the Tsar's treasury, which are the first competent descriptions, and excellent account of the discovery of alluvial diamonds in the Urals upon the estates of Ferdinand von Polier, which is ably summarized in an article in *Der Aufschluss*, 14, 5, 1963, 113-24, figs, maps. See also F Kerschensteiner, Die früheren Edelsteinbergwerke von Mursinsk und Miask," *Der Aufschluss*, 19, 7/8, 1968, 203-7.

5539. -----1873, a Russian abridgment of above Puteshestvie po Uralu Gumboldta, Erenberga i Rose v 1829. Prevod c nem [Trip through the Urals by Humboldt, Ehrenberg and Rose in the year 1829]. Ekaterinburg, 1873. 8°: XIV, 50 p. Not seen.

5540. -----1838

Über | den Zusammenhang zwischen der Form und | der elektrischen Polarität der Krystalle. | [rule] | Erste Abhandlung. | Turmalin. | [double rule] | Von | Gustav Rose. | [orn rule] | Gelesen in der Königlichen Akademie der Wissenschaften zu Berlin. | [wavy rule] | Mit zwei Kupfertafeln. | [wavy rule] | Berlin. | Gedruckt in der Druckerei der Königlichen Akademie | der Wissenschaften. | 1838. | [double rule] | In Commission bei der Sanderschen Buchhandlung.

4°: 35 p; 2 engrav pls of crystal forms. Plain brown wrap. 26 x 21.5 cm (10 3/8 x 8 3/8 in). Uncut. JSL.

Remarks on hemihedral forms of tourmaline crystals, noting that R J Haüy,(1743-1822) was aware of same and that F Aepinus(1724-1802) had already demonstrated that tourmaline crystals were pyroelectric, then goes on to describe own methods of inducing electrical polar charges and stating the connection between polarity and the differing types of crystal faces upon opposite ends of tourmaline crystals from several different deposits. Landmark paper.

5541. -----1856

Über | die heteromorphen Zustände der | kohlensauren Kalkerde. | Erste Abhandlung. | Von | Gustav Rose. | Aus den Abhandlungen der Königl. Akademie der Wissenschaften zu Berlin 1856. | [rule] | Mit vier Kupfertafeln. | [rule] | Berlin. | Gedruckt in der Druckerei der Königl. Akademie | Der Wissenschaften | 1856. | [rule] | In Commission bei F.Dümmler's Verlags-Buchhandlung.

Reprinted from *Abhandl physikal Kl K Akad Wiss Berlin*, 56, 1-76, Pls 1-4.

4°: [2], 76 p; 4 engrav pls stapled-in. Bright green print wrap, title on cover. 29 x 23.2 cm(11 3/8 x 9 1/8 in). Uncut. Continuation below.

5542. -----1859, zweite Abhandl

Über |...| Zweite Abhandlung. |...| Aus den Abhandlungen der Königl. Akademie der Wissenschaften zu Berlin 1858. | [rule] | Mit drei Kupfertafeln. | [rule] | Berlin. |...| 1859. |...

Reprinted from ibid, Jg 1858, 63-111, Pls 1-3.

4°: [2], p [63]-111 + [1 blank]p; 3 engrav pls stapled-in. Similar wrap.

In depth study of two calcium carbonate phases: calcite and aragonite, the first treatise on the mineralogy and occurrences, and the second, of special interest to gemologists, studies the nature and occurrences of both minerals as found in molluscan shells, including those noted for nacre and pearl production. The pioneering work of Comte de Bournon(1751-1825) in the study of calcium carbonate in shells is given much space and discussion, but including the contributions of others who also studied the nature of shell material. Rose goes on to describe his studies of the nacreous and non-nacreous shells and gives his conclusions that they are of three types: (a) calcite and aragonite, (b) calcite alone, and (c) aragonite alone. Most nacreous shells are type (a). The plates depict structures, layerings, crystalline forms of shell calcium carbonate.

5543. -----1873 Ueber das Verhalten des Diamants und Graphits bei Erhitzung. *Monatsberichte, Annalen der Physik und Chemie*, B, 148, Leipzig, 1873, 497-524. Not seen.

ROSE, G, see HEUSSER, J C & CLARAZ, G

5544. ROSE, GUSTAV & SADEBECK, ALEXANDER

Ueber die | Krystallisation des Diamanten. | [rule] | Nach hinterlassenen Aufzeichnungen | von | Gustav Rose | bearbeitet | von | Alexander Sadebeck. | Aus den Abhandlungen der Königl. Akademie der Wissenschaften zu Berlin 1876. | [rule] | Mit 4 Tafeln. | [rule] | Berlin. | Buchdruckerei der Königl. Akademie der Wissenschaften(G.Vogt), | Universitäts-Strasse 8. | 1876. | [rule] | In Commission bei F.Dümmler' s Verlags-Buchhandlung H (Harrwitz und Grossmann).

"Vorgelegt... 11. December 1876. Die Seitenzahl bezeichnet di laufende Pagina des Jahrgangs 1876 in den Abhandlungen der physikalischen Klasse..."

4°: [2], p 85-148, Taf I-IV. Bright green paper over bds; cloth spine. cover title. 27.6 x 22.3 cm(10 7/8 x 8 3/4 in). Cut. JSL.

A work on diamond crystal morphology begun by Rose in the last few years of his life but unfinished and here completed by Sadebeck on the basis of notes left behind by Rose. Brief review of prior investigations with abundant footnotes to other works and a bibliography, p 90-1, of same. The text is a systematic description of forms, including twins and aggregates, with many shown upon the plates(50 figs) in line drawings. This appears to be the first significant crystallographic description of diamond.

5545. ROSE, S

Handleiding | Tot De Kennis Van | Diamanten, Parelen | en de meest voorkomende | Heele en Halve Edelgesteenten. | Naar alphabetische orde en de beste bronnen bewerkt | Door | S.Rose, | Redacteur van het Vakblad "De Diamant." | [rule] | Met eene voorrede van | M^{r}. George F.Kunz, | Steenkundig Expert, Lid van het Bureau van Geologisch onderzoek | Vereenigde Staten van Noord-Amerika, | Officier van de Akademie van Wetenschappen te Parijs, enz. enz. | [rule] | Eeerste Stuk. | [orn rule] | Amsterdam, | Koninklijke Nederlandsche Stoomdrukkerij, | Warmoestraat 106. [First part, apparently all publ]

8°: XVI, 155, [1 blank]p, 8 wood engrav fig(of famous diamonds). Wrap. 23.8 x 16 cm(9 1/4 x 6 1/4 in). Uncut. USGS Kunz Coll; JSL.

Cont: 1/2tp; tp; pref by Kunz(in Engl & Dutch); introd; tab cont; text; blank p.

In alphabetical order, Rose describes the properties, lore, etc of gemstones, from agate to onyx, 42 stones in all, with the information "taken from the best authorities." However, by far most space, p 31-140, is given to the diamond, treating its nature, occurrences, mining, etc and with much on famous diamonds, with the illustrations depicting a number of the most important. The USGS copy examined and another that has come to hand recently (1988) are almost completely perished, the browned paper being brittle and the USGS copy almost completely disintegrated; this may account for the rarity of this work and its almost complete absence from antiquarian bookseller lists.

5546. ROSE, VALENTIN(1829-1916) Damigeron de lapidibus. Edited by V Rose. *Hermes*, 9, 1875, 471-91. Not seen.

5547. -----1875 Aristoteles de lapidibus und Arnoldus Saxo. *Zs für deutsches Altherthum*, Berlin, NF, 6, 18, 1875, 321-455. Not seen. Ref: L Thorndike, *Hist Magic*, 2, 260-1, & 430-2; see also discussuion under ARISTOTLE.

5548. -----1875 According to De Mély, vol 3, p VI, Rose edited several lapidaries as follow: *Lapidaire de Liége*(Ms Liége 77, 14th c) and *Lapidaire de Montpelier*(Ms Montpellier 277, 15th c), both given in *Zs dt Alterthum*, NF, 18, 1875, 249-82 & 384-97. Not seen. Referred to by Thorndike, ibid.

5549. ROSENBLOHM, WILLIAM E Geologic and gemologic thought in early classical times. *Lap J*, 10, 6, 1957, Pt 1, 532-45 to Pt 13 in vol 14, 2, 1960, 212-20, with paginations interrupted by adverts; several ill. Occasionally rambling and repetitious survey of the ancient knowledge of gemstones, also several minerals and a few fossils, as passed down to us from the Alexandrine lapidaries, through the Christian era, into the Middle Ages, and discussing curious lore, medicinal virtues of gemstones, imitations, figured stones, magical stones, and much

more that is bizarre and interesting. Valuable for its thumbnail sketches of ancient writers and their works.

ROSENMÜLLER, ERNST FRIEDRICH CARL(1768-1835)

Eminent Ger orientalist, historian, Biblical student; prof orient lit Leipzig; publ extended commentary on Bible in 23 vols, 1788-1835. *Biogr Univ* 79, 449-50. Thorleif Gudmundsson Repp(1794-), Icelandic linguist; sometime librarian in Edinburgh. Nathaniel Morren(1798-1847), Scot divine; theolog & biblical scholar. DNB.

5550. -----1840

The | Mineralogy And Botany | Of | The Bible. | By | E.F.C. Rosenmüller, D.D. | [rule] | Translated From The German, | With Additional Notes | By | T.G.Repp And Rev.N.Morren. | Edinburgh: | Thomas Clark, 38. George Street. | MDCCCXL. [1840]

The series title reads: "The Biblical Cabinet... Vol.XXVII. Rosenmüller On The Mineralogy And Botany Of The Bible. Edinburgh: Thomas Clarke... Hamilton, Adams & Co. London: And W. Curry, Jun. & Co. Dublin. MDCCCXL."

8°; x 342, [2 blank]p. 16.25 x 10.25 cm(6 3/8 x 4 in). Cropped; only examined in a rebound copy.

Cont: ser tp; tp; printer; pref; tab cont; text in 2 pts; indexes to mineralogy, botany, Greek and Latin; blank f.

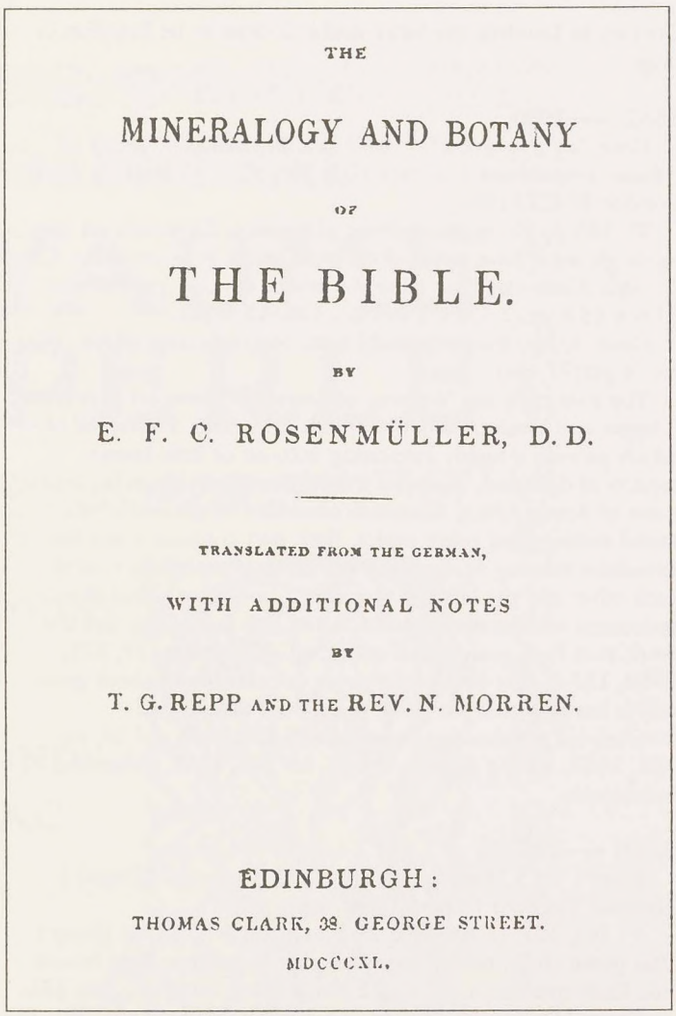
According to the preface, the translation from the German was begun by Repp who could not finish the work; Morren took over past p 224 and brought it to completion. "The original forms part of Rosenmüller's "Biblische Naturgeschichte," being the first half of the fourth volume of his "Handbuch der Biblischen Altertumskunde,"... Like all of the Author's writings, it will be found to contain manifest traces of erudite research and discriminating judgment." In another place, "the *Bdolach* or Bdellium of Gen.ii.12, which is by some held to be a precious stone, was by Rosenmüller considered to be *the pearl*, and therefore finds a place in his Biblical Zoology, along with the *Ramoth* or Coral." In the body of the work, section 2nd, "Stones and Rocks, p 14-25, and section 3rd, "Precious Stones," 26-45, are mainly of interest, and while the latter is brief, it remains one of the indispensible sources of information in any serious study of the famed breastplate of Aaron and the identities of the twelve stones inset thereupon. In the stones section are marble and crystal, while in the precious stones section are carnelian, topaz, oriental emerald(green sapphire), carbuncle, sapphire, onyx, hyacinth, agate, amethyst, chrysolite, beryl, jasper, and several others. The original Hebrew is given for each, plus phonetic transliteration and an etymological discussion, citing, where appropriate, other scholars in copious footnotes. Additionally, the "shamir" or diamond(?), and the stones composing the battlements of the New Jerusalem are described and discussed. Despite the importance of this work it is unaccountably rare and seldom referenced in later works in this field.

ROSENTHAL, ERIC(1905-)

B in S Afr in a family closely connected with diamond & gold mining; journalistic career, gaining enviable familiarity with these industries & many famous persons connected therewith.

5551. -----1950 ca

Shovel And Sieve | by | Eric Rosenthal | Published by | [Howard B. Timmins logo] | for | George Allen And Unwin, Ltd. | London [nd]



THE

MINERALOGY AND BOTANY

OF

THE BIBLE.

BY

E. F. C. ROSENMÜLLER, D. D.

TRANSLATED FROM THE GERMAN,

WITH ADDITIONAL NOTES

BY

T. G. REPP AND THE REV. N. MORREN.

EDINBURGH:

THOMAS CLARK, 38. GEORGE STREET.

MDCCCXL.

5550. Titlepage to a work that includes much information on Biblical gemstones and containing "manifest traces of erudite research and discriminating judgement

8°: [10], 199, [1]p; first f supplied; 22 photos on 13 bound-in glossy f. Pale blue cloth, dk blue lett on cover & spine; stock certificate endp. Col dj, other bks of publ, resume, price. 21.1 x 13.3 cm(8 1/4 x 5 1/4 in). 12 s 6 p. JSL.

Cont: 1/2tp(supplied); front; tp; print data; other bks of author; fwd; tab cont; ill list; 29 chs; index; blank p.

Reminiscences and anecdotes on early diamond & gold mining days in South Africa, and noting many major figures as Cullinan, Merensky, Stauch, etc, who later became famous in finance, politics, or otherwise. Most of the book concerns the gold mining industry but in many places diamonds, the diamond industry, its entrepreneurs, etc, are mentioned. Interestingly, Rosenthal raises the question of who actually first discovered diamond in South Africa by noting (p 3) that his grandfather, Albert Rosenthal, "was concerned in mysterious prospecting operations as early as 1865. Two years before the assigned date of the discovery of diamonds at the Cape, he brought with him some stones recovered somewhere near the northern frontier." He goes on to say that when they were shown to Professor

Gregory in London, the latter declared them to be Brazilian in origin.

5552. -----1950

Here Are | Diamonds | By | Eric Rosenthal | Author of African Switzerland | Robert Hale Limited | 18 Bedford Square London W.C.I [1950]

8°: 280 p; glossy photo front pl tip-in + 23 photos on 16 tip-in glossy f. Blue, unfin cloth, gold lett & rules on spine. Col dj, with Kimberley "Big Hole" on cover; resume; publ adverts. 21.6 x 13.8 cm(8 1/2 x 5 3/8 in). Cut. 15 s. JSL.

Cont: 1/2tp; front; tp; publ data; fwd; tab cont; ill list; text tp; 4 pts(37 chs).

The four parts are "Dreams of Avarice," "Diamond Mysteries," "Digger and Dealer," and "Diamonds in Strange Places," all of which provide a highly interesting account of little-known aspects of diamond, diamond mining, treasures, diamond magnates of South Africa, diamonds elsewhere in the world, diamond cutting, and other topics. Each part contains a number of anecdotes relating to diamond but are only tenuously related to each other and the book is therefore a potpourri rather than a systematic treatise on diamond. All of it is fascinating and the work won high praise from critics, eg., *The Gemm*, 19, 228, 1950, 157-8, "the best of the more popular books about gems which has appeared for some years," and this journal commenced serialization in condensed form with vol 20, no 235, 1951, ending same in vol 21, no 246, 1952, altogether 12 instalments.

5553. -----1957(?)

River | Of | Diamonds | By | Eric Rosenthal] [logo] | Howard Timmins | Cape Town [nd]

8°: [6], 161, [1 blank]p; 15 photos on 4 bound-in glossy f. Pale green cloth, title & logo on spinc & cover in light brown ink. Endpaper maps. 21 x 13.5 cm(8 1/4 x 5 1/4 in), Cut. JSL.

Cont: 1/2tp; publ data; tp; other bks of author; tab cont; ill list; 24 chs; index; blank p.

This excellent work summarizes the history of the Vaal River alluvial diamond diggings in the area to the north and northwest of Kimberley, South Africa as shown upon the endpaper maps. It tells of the first discovery of diamonds, the earliest mining efforts, and recounts the great mistake made by Professor James R Gregory of England who claimed no diamonds could possibly come from the Vaal River diggings, even after making a personal examination of the ground; his view was shared by Harry Emanuel, the London jeweler and writer of an authoritative treatise on gemstones(which see) and also by the eminent geologist, Roderick Impey Murchison, all of whom were soon proved mistaken. Rosenthal also provides many stories and anecdotes which altogether form an easily read and exciting account of a district soon to be overshadowed by the discovery and exploitation of the pipe diamond deposits. In the final chapter Rosenthal cites recent diamond mining experience to show that the river diggings are far from exhausted.

ROSENTHAL, LÉONARD(1870-1955)

B to a merchant in city of Vladikavkaz, Caucasus; emigrated to Paris in 1884(age 14), and by 1890 trading in pearls; by the 1920's he became the greatest dealer in pearls but saw his business decline as Japanese cultured pearls appeared on the market; successfully sued to have such pearls declared "cultured." His considerable fortune largely lost in the financial crash of 1929. Fled France in German occupation to Brazil, thence to USA where resumed business as a gem merchant, even to extent of handling the intensely disliked cultured pearls. Biogr note by dgtr Rachel in *Nat Geogr*, 169, 2, Feb, 1986.

5554. -----1919

Léonard Rosenthal | [rule] | Au Royaume De La Perle | Ornements De Claudius Denis | [logo] | Payot & Cie Paris | 106, Boulevard Saint-Germain, 106 | 1919

"Il A Été De Cet Ouvrage 150 Exemplaires Hors-Commerce Sur Vergé Grosvenor; 5000 Ex. Sur Bouffant Dickinson; Achevés D'Imprimer Par Dan. Niestlé A Paris, Le 10 Avril 1919, Pour La Librairie Payot & Cie."

8°: [4 blank], [4], 208, [5], [3 blank]p; 1st & last f pasted to endp. Small floral ch orns. Stiff, pale gray paper wrap, gray-green lett on cover & spine; hand-marbled endp. 13.7 x 11.2 cm(5 3/8 x 4 3/8 in). Uncut. JSL.

Cont: 1/2tp; announcement; tp; 13 ch;(biblio 19 entries); tab cont; 3 blank p.

This modest, charming, and tastefully prepared booklet on pearls commences a series of increasingly larger and more elaborate books on pearl and precious stones from the hand of Rosenthal. The text covers such aspects as knowledge of pearl since antiquity, the natural history of the pearly mollusks and the ways in which they are fished, the culture of nacreous shellfish, evaluation & marketing of pearls, famous pearls, and curious lore. Issued as mementos to favored customers. Rare.

5555. -----1920

Leonard Rosenthal | Au Royaume | De La Perle | Illustrations | De | Edmond | Dulac | L'Edition D'Art · H.Piazza · Paris [1920]

Title lett in black but rimmed in pale blue, the whole enclosed in elaborate yellow & blue orn frame with central coral-design panel in pale blue heightened in silver.

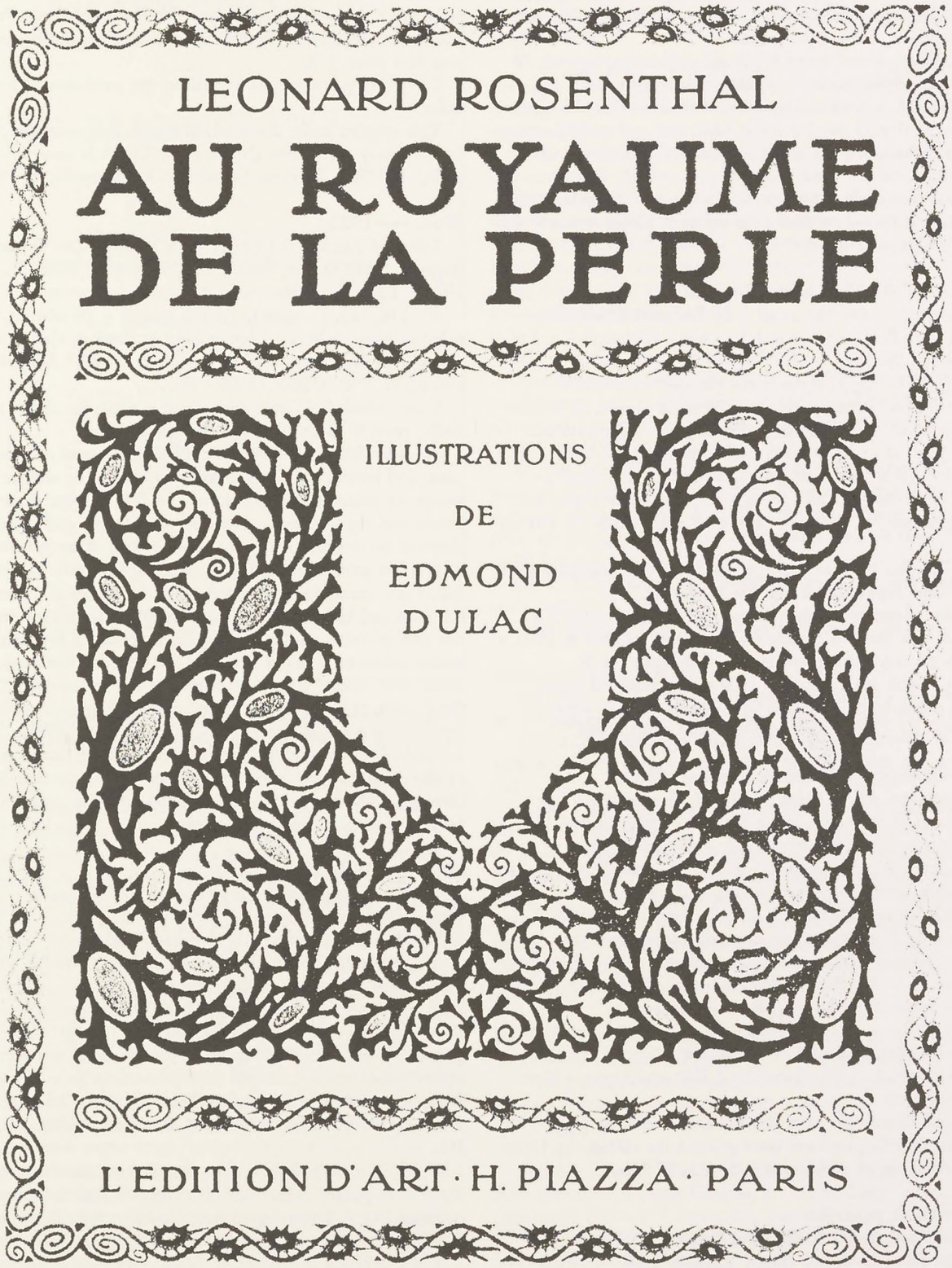
4°: 139, [1]p; 10 cut-out col pls mounted on bound-in f with floral border frames, tissue guards bearing pl title & p no; ch orns, inits, etc. Paper wrap bound-in; printed on pale brown paper with mottled blue background & overprinted in silver sea-fan design; paste-on title label on pale greenish-yellow paper, lett in copper. 29.9 x 23 cm(11 3/4 x 9 1/8 in). Teg, others untrimmed. Half-leather, mbled bds, mbled paper slipcase.

Facing title: "Il A Été Tiré De Cet Ouvrage Mille Cinq Cents Exemplaires Dont Deux Cent Cinquante Avec Un État En Couleurs," and below, "Exemplaire N°..." In another version, this number is followed by the signature of Edmond Dulac, in another, it is followed by the statement "Imprime Pour M.Henri R.Dreyfus."

Cont: 1/2tp; edit note; tp; front pl; 14 chs; append; ill list; tab cont; biblio(p 137 19 entries); notes; colophon & date.

The text is the same as in the previous edition but now the work is magnificently designed and produced, elaborately decorated, and of course, fitted with the splendid pearl-fantasy color plates by Edmond Dulac(1882-1953). Each plate measures 15 x 13.5 cm(5 7/8 x 5 5/16 in), heightened in gold or silver as appropriate. Because of the plates, this work commonly is offered by dealers in fine arts materials.

5556. -----192-(?) Another version is as follows: 4°: [4 blank], 143, [1], [4 blank]p; first & last f enclosed by wrap; these leaves are supplementary and not of the same stock as the text; 10 col pls as before. The basic wrap is pale gray with gold



5555. Colored titlepage to Rosenthal's large and handsomely illustrated popular treatise on the natural pearl

& silver sea-fan design; same title label. 32 x 23 cm (11 5/8 x 9 in). Untrimmed. JSL. Opposite the title appears: "Exemplaire Offert Par Léonard Rosenthal A... ," apparently a special, less expensive version, for gift purposes.

Cont: 1/2tp; present note; tp; front pl; 14 chs; append; ill list; tab cont; biblio; notes; colophon minus date.

The appendix is now enlarged and contains a diatribe against the Japanese cultured pearl but the basic text and other features remain the same. I am not at all certain that I have seen all versions of this edition, and bound copies, usually in leather, raised bands, marbled endpapers & sides, seem not to be consistently bound and suggest that a variety of bindings was offered by the publisher(or bindery?).

5557. -----192-(?), Engl transl, London

The Kingdom | Of The Pearl | By Leonard Rosenthal | Illustrated by | Edmund Dulac | London | Nisbet & Co. Ltd. | Berners Street, W. [nd]

4°: [14], 151, [1]p; 10 tip-in col pls, each with blind-stamped & ruled border, with tissue bearing pl title. Pl 1 faces tp. Pale tan cloth spine, gilt & dec; pale gray paper over bds, cover overprinted in silver marine life design; paper label with pale gray lett on front cover; pale gray endp overprinted in marine seweed design. Thick, rough-surfaced white paper text stock. Teg, others untrimmed. 28.8 x 23 cm(11 3/8 x 9 1/8 in). JSL.

P [7]: "Of this Edition 675 Copies have been printed for sale in the British Empire, of which this is No.503."

The color plates are slightly larger, 15.3 x 13.8 cm(6 x 5 7/16 in). A Los Angeles bookseller, Heritage, offered in 1981 a leather-bound copy, described as "London; Hodder & Stoughton, 1920. First English. 1 Of 675 numbered copies. Folio, full green-black Morocco with decorative gilt scene on upper cover. By Zaehnsdorf. 150 p, 6[sic] color plates."

5558. -----192-(?), Engl transl, London, deluxe

Same text, etc. 4°: [4 blank], [11], [1 blank], 150, [2]p; same ill; front pl now on a tip-in f of same paper as text. Pale cream vellum spine, gold orn & title; orn vignette-title on cover, the cover paper is pale tan with a thin gold vertical rule separating the vellum from the paper. Cream endp with seaweed motifs. 30.6 x 24.8 cm(12 1/8 x 9 3/4 in). Teg, others deckled, Dense, hand-laid paper. All lett in medium-gray ink. JSL,

"Of this Edition 100 signed and numbered Copies have been printed for sale in the British Empire, of which this is No.. .24." There now appears Dulac's signature in black ink.

5559.-----192-(?), same, New York edit

The Kingdom |...| Illustrated by | Edmund Dulac | New York | Brentano's

The name Brentano's now substitutes for Nisbet; p [7]: "Of this Edition 675 Copies have been printed for sale in the United States of America, of which this is No. 342." JSL.

5560. -----1926, new edit

Léonard Rosenthal | [rule] | Au Royaume | De La Perle | Illustrations De Ed.Dulac | [logo] | Payot, Paris |...| 1926 |...

8°: [2 blank], [5]p + p 8-22 + [2 blank]p; 10 tip-in col pls, each is fullp but the colored portions now measure only 11.4 x 10 cm(4 1/2 x 3 7/8 in); the top margin of each plate is curved, like a flattened curved bracket, and with lett at base. Thick, pale tan, semi-glossy paper wrap, pale blue lett and one of the col pls on cover. 19.3 x 14.2 cm(7 5/8 x 5 5/8 in). Unopened. Also in plain, thick, brownish.paper wrap for library binding. Price Fr 7.50, later changed to Fr 250 by means of small label pasted over first price. JSL.

Cont: 1/2tp; other bks of author; tp; publ data; 15 chs; index.

This appears to be the final version in this complex publication; entirely reset; new chapters are "IV. A la conquête de la perle," and "XV. La perle Japonaise." Bibliography omitted.

5561. -----1922

Léonard Rosenthal | [rule] | Au Jardin | Des Gemmes | [logo] | Payot & Cie, Paris | 106, Boulevard Saint-Germain | 1922 | Tous droits réservés.

8°: 310, [1], [1 blank]p (p 1-2 blank) + [8 advert]p. Thick, pale tan wrap, title on cover in blue & black in single-rule frame; title with rules on spine. 18.8 x 12 cm(7 3/8 x 4 3/4 in). Uncut. Fr 7.50. USGS 33-230. JSL.

Cont: blank f; 1/2tp; other bk of author; tp; rights note; dedic; pref; 9 chs; tab cont; blank p; advert.

An assemblage of interesting information and anecdote on gems and jewels, rich in references to ancient as well as modern works on gems, jewels, and lore. The first chapter discusses jewels and superstitions connected with them, and is followed by chapters on emerald, ruby & sapphire, and other gemstones, also with a few scientific details but stressing romance and lore. There are remarks on engraved gems and magical stones, and the fates and fortunes of gems in world markets as a result of the rise and influence of Bolshevism, ending with a few statistics on recent values of gems in France. L J Spencer, *Min Mag*, 19, 98, 1922, 379, states "a popular book, for lighter moments, treating the fancies, rather than the facts, relating to gem-stones, with especial regard to emerald, ruby, and sapphire." While the present work, presumably the first edition & issue, reappears later in similar small size but with color plates added, another publisher obtained rights to it and proceeded to create an elaborate and beautiful piece as described below.

5562. -----1924, de luxe edit

Léonard Rosenthal | Au Jardin | Des | Gemmes | Illustrations | De | Léon Carré | [gold peacock vignette] | L'Édition D'Art H.Piazza | Paris [title in ornate gold frame; 1924]

4°: [4 blank], 158 (p 1-2 blank), [2], [4 blank]p; 12 col plates, each cut-out & mounted within elaborate gold frame on separate leaves which are hinged with thin paper, and with each tissue-guarded and captioned on tissue in pale gray ink. Dk gray-green thick paper wrap, gold title + floral orn above and a square panel below centered on a peacock in gold & turquoise. Wrap is folded over outermost blank ff. 30.3 x 23.1 cm(12 x 9 1/8 in). Cut. Fe & be untrimmed. Pale tan, thick paper stock. JSL.

P[4]: "Il a été tiré de cet ouvrage deux mille deux cent cinquante exemplaires dont deux cent cinquante avec un état en couleurs No..." Some copies bear further a note below stating "Exemplaire offert par Léonard Rosenthal a ...."(name supplied).

Cont: 2 blank f; 2 blank p; 1/2tp; edit note; tp; pref; col front pl; text; tab cont & pls list; press note; 2 blank f.

The text is identical to the previous edition but is now entirely reset and elaborately ornamented throughout and with the splendid colored plates of Léon Carré, dated 1922-23, inserted

JEWELRY

AND

THE PRECIOUS STONES:

WITH A HISTORY,

AND DESCRIPTION FROM MODELS,

OF THE LARGEST INDIVIDUAL DIAMONDS KNOWN:

INCLUDING, PARTICULARLY, A CONSIDERATION

OF THE KOH-I-NOOR'S CLAIM

TO NOTORIETY.

BY

HIPPONAX ROSET.

JOHN PENINGTON & SON:
—No 61, SOUTH SEVENTH STREET—
PHILADELPHIA:
1856.

5567. Popular, interesting accounts of gemstones, written under a pseudonym/anagram by Joseph Rupert Paxton, an American playwright

in the text at appropriate places. The plates illustrate legends recounted in the text, often in fanciful representations of taste and beauty. Also issued in specially bound copies in one-third red or green leather, marbled bds & endp, with 5 bound-in blank f ahead and after the bound-in wraps, and with a set of 12 duplicate plates inserted after the text. 29.8 x 23.1 cm(11 3/4 x 9 1/8 in). Needless to say such issues are rare.

5563. -----1925, 1922 edit reprint

Léonard Rosenthal | [rule] | Au Jardin | Des Genmes | Illustrations De Léon Carré | [logo] | Payot, Paris | 106, Boulevard Saint-Germain | [rule] | 1925 | Tous droits réservés

8°: 248, [1], [1 blank], [4 advert], [1], [1 blank]p; 12 col pls as before but much smaller & printed directly on white glossy f tip-ins. Tan, thick paper wrap, cover title in black & red in frame; spine title in black & red with rules & price. 19.3 x 14.1 cm(7 5/8 x 4 5/8 in). Uncut. Fr 250. JSL.

Cont: blank f; 1/2tp; other bks of author; tp; rights note; dedic; pref; same text; tab cont; blank p; advert; press note for col pls; blank p.

The identical text is again reset; with 12 color plates.

5564. -----1949

Léonard Rosenthal | Mémoires | D'Un | Chercheur De Perles | Illustrations de Rachel Rosenthal | Deux [logo] Rives [Paris, 1949]

8°: 237, [3]p(first 2 p blank); 30 pen & ink sketches. Pale tan paper wrap, green lett with sketch in frame on cover; addit bks of publ back cover. 19 x 14 cm(7 1/2 x 5 1/2 in). Unopened. JSL.

Cont: blank f; 1/2tp; tp; publ data; pref note; 40 chs; publ data.

Autobiographical, written in wry, humorous vein and filled with anecdotes from childhood in Russian Georgia to arrival and establishment of his business in New York. The text sketches, equally amusing, are artistically competent. Rosenthal divulges many tricks of the trade that he learned during a lifetime of dealing in pearls and gems.

5565.-----1952, Engl transl, title sic

translated from the french by herma briffault | [dot] | the pearl hunter | An Autobiography By | Leonard Rosenthal | illustrated | by rachel rosenthal | [logo] | Henry Schuman | New York [1952]

8°: [6], 214, [2 blank]p; 28 pen & ink sketches, col front portr pl of Rosenthal. Black cloth, blank & colored disks stamped on front cover & spine, with gilt & blue lett. Col dj, portr on front; sketch back cover; biogr data on flaps. 21 x 13.8 cm(8 1/4 x 5 1/2 in). JSL.

Cont: 1/2tp; other bks of author; front; tp; publ data; tab cont; text tp; 22 chs.

Title reverse: "This is a revised edition of... [above]..."

5566.-----1955, title sic

the pearl | and I | By Leonard Rosenthal | "The Pearl Hunter" | Vantage Press | New York ["First Edition 1955"]

16°: 223, [1 blank]p. Black cloth, silver lett spine. Col dj with resume & biogr notes. 23 x 13.5 cm(8 x 5 1/4 in). $3.00. JSL.

Cont: 1/2tp; other bks of author; tp; publ data; tab cont; introd; 16 chs; append("All About Pearls"); blank p.

More episodes from the author's colorful career, some amusing, some tragic, but all told in his highly captivating style. Pearl notes and remarks form a thread throughout. The appendix is a short but fairly comprehensive study of the cultural & natural history of the pearl. Extracts from this work appeared serially in *The Gemm*, 25, 297, 1956, 69-74; 298, 85-7. Rev *G & G*, 8, 8, 1955/56, 249-51.

ROSET, HIPPONAX, pseudonym/anagram of PAXTON, JOSEPH RUPERT(1827-)

Noted USA playwright, translator of many Fr plays; grad Univ PA; mbr Philadelphia bar; service in Civil War, 1861-5. Allibone 2.

5567. -----1856

Jewelry | And | The Precious Stones: | With A History, | And Description From Models, | Of The Largest Individual Diamonds Known: | Including, Particularly, A Consideration | of The Koh-I-Noor's Claim | To Notoriety. | By | Hipponax Roset. | John Pennington & Son: | -N° 61, South Seventh Street- | Philadelphia: | 1856.

Pref: "Appeared originally, divided into a half a dozen chapters, in Numbers 18, 19, 20, 21, 22, and 23 of Bizarre, Volume VI, Year 1855."

8°: [5], [1 blank], 40, [2]p. Pale reddish-brown print wrap, cover title. Edgesewn. 22.3 x 14.9 cm(9 x 5 7/8 in). Cut. Another copy seen in somewhat larger size, in 1/4 leather, gold spine title, pebbled black cloth sides. 24.2 x 15.1 cm(9 1/2 x 6 in). JSL. Still another bound in 1/4 green morocco, marbled sides, matching mbled endp, teg. 23.9 x 15.1 cm(9 3/8 x 6 in). Cut. This may be a special presentation binding. LC 8-30345.

Cont: 1/2tp; tp; tab cont; pref; text; ps; blank p.

Treats in a popular and interesting manner many topics as properties of gemstones, their occurrences, mining, cutting, and values, with remarks on famous gems and jewels, and curious lore. There is a historically valuable discussion of famous contemporary jewelers of France, England, and America, and what constitutes "first rank" jewelry manufacture.

ROSIGNOLI, M P, see TACCONI, R

5568. ROSNAY, ARNAUD DE L'histoire fabuleuse du diamant. *Paris Match*, Jan 17, 1970, 15 p, ill. Not seen.

ROSNEL, PIERRE DE(fl 17th c)

Little is known of Rosnel who was goldsmith-in-ordinary to Louis XIII, King of France; he was a mbr of the Fr goldsmith's assoc. *Biogr Univ*, 1846, 79.

5569. -----1667

Le | Mercvre | Indien, | Ou | Le Tresor Des Indes. | Premiere Partie. | Dans laquelle est traitté de l'Or, de l'Argent | & du Vif-Argent, de leur Formation, de leur | Origine, de leur Vsage & de leur Valeur. | Avec une explication sommaire des Titres de l'Or | de | l'Argent, | de leur Affinage. | Dedié à Monseigneur Le Tellier. | Par P.D.R. | [engrav Tellier coat-of-arms] | A Paris, | [rule] | M.DC.LXVII. | Avec Privilege du Roy.

A second part, with own title, described below.

8°: [16], 64 p; a^8, A-D^8; woodcut ch orns. 17.5 x 11.7 cm(6 7/8 x 4 5/8 in). Cut & cropped. JSL.

Cont: tp; blank p; dedic(to Tellier); pref; tab cont; priv; text; fin [: long rule | A Paris, | De l'Imprimerie de Robert Chevillion, Imprimeur, | ruë S.Iaques, à costé de la Porte du Cemetiere S.Severin, | à la Colombe Royale. 1667.]

Part 2: Le Mercvre | Indien, | Ou | Seconde Partie. | Dans laquelle est traitté des Pierres | precieuses, & des Perles. | Ensemble de leur origine, de leur formation, | de leur usage, & de leur valeur. | Avec un Traitté sommaire des autres Pierres moins | precieuses, sçavoir de l'Agathe, du Iaspe, du Lapis | & autres. Et mesmes des Pierres plus communes, | telles que le Corail, le Crystal, l'Ambre & le Bezoard. | Par P.D.R. | [same engrav arms] | A Paris, | [rule] | M.DC.LXVII. | Avec Privilege du Roy.

8°: [16], 136, [1], [1 blank]p + p 137-76; $¶^8$, A-H^8 + [1]f + K-L^8, M^4; ch orns. The f inserted in the text bears the title "De L'Estimation Des Pierres Precievses, Et des Perles. Ensemble des autres pierres moins precieuses."

Cont: tp; blank p; pref; tab cont; priv; text to p 136; tp; blank p; text.

The following variant is in *The Herbert Clark Hoover Collection of Mining & Metallurgy*, 1980, p 164, no 692: "Le mercure indien, ou Le tresor des indes ...Par P.D.R. Paris[De l'imprimerie de Robert Chevillion]1667. 4 p. l., 35, [9], 71, [3], 23, [1]p. 24 cm. Signatures a^4 A-D^4 E^2 $¶^4$ ^{2}A-$^2I^4$ chi^1 ^{3}A-$^3C^4$ [misprinting D1 as C1]. In 3 parts; title page of pt.2 has imprint: Paris, Aux dépens de l'autheur, 1668. Title vignettes (arms of Marchands Orfévres). Dedicatory epistle signed by P.de Rosnel. Colophon: A Paris, de l'imprimerie de Robert Chevillion. Ornamental initials and head- and tailpieces; marginal annotations. Printed correction slip with "pierres" pasted over "herbes" in last line in half-title tp pt.3... The present copy differs from descriptions found in bibliographical sources in its 4° format with pt.2 dated 1668. Sources consulted (NUC pre-l956 imprints, BMC, BNC, Ferguson, Sabin 73297, Grässe, Michaud, etc.) give editions of 1667 (4° and 8°; Sabin: 12°), 1668(8°), and 1672(4°). The British Museum contains a copy with pt.l dated 1668, presumably 4°. The present copy has horizontal chainlines and a watermark in the middle of the spine fold throughout pts.1-3. The colophon, at the end of pt.3, is undated." Not seen.

It is to be noted that the above copy is treated as if the text is in three instead of two parts, but in view of the fact that no mention is made of it in the table of contents, it is problematical as to whether Rosnel regarded it as a third part or merely as a division of Part 2; the latter is my choice because it logically is part of the general treatment of gemstones which is the gist of Part 2.

The first part of this much esteemed and sought for work by the Parisian goldsmith is a mining & metallurgical treatise in which gold, silver, and mercury are described in respect to their mines and methods of mining, purification of ores by smelting or otherwise, and refinement of the metals. Special emphasis is laid upon the mines of the New World and it is this that causes the work to be referenced in connection with books on the Americas, eg, Sabin 73297. However, in the second part, which includes a short treatise with its own titlepage on the valuation of gemstones, we find the matter that is of greatest interest to the gemologist. This part is divided into four books, plus the valuation division mentioned, the first book treating the origin of gemstones, then describing the diamond,ruby, spinel, garnet, sapphire, topaz, emerald, amethyst, aquamarine, opal, turquoise, quartz varieties, zircon, chrysoberyl, peridot, and others that are considered to be important. The second book treats pearl and includes remarks on the fresh-water pearls of Scotland, then much esteemed. The third book is devoted to cryptocrystalline varieties of quartz, so much so, that it may be regarded as the first "agate" book to be published that deserves the name; it also includes descriptions of jades, serpentine, lapis lazuli, and some other massive ornamental stones, The last book describes coral, rock crystal, amber, and bezoars. The author apparently was familiar with sources of gem materials because the text is quite remarkable for the detail he gives on localities.

The last part of the book may well be an addendum perhaps provided by Rosnel well after setting up and printing off the front matter, which as noted before makes no mention of it. It is preceded by an inserted title leaf, and then commences with page 137. It treats realistically and in detail the methods by which values are assigned to cut gems of diamond, ruby, spinel, garnet, and others, that is, the gems previously described in the first book. It is interesting to note that Rosnel provides a mathematical system for adjusting prices of diamonds upwards at a steepening rate with increasing weight (p 141 ff) but his method, and indeed the book itself apparently escaped the attention

of G Lenzen, *Produktions- u Handelsgeschichte d Diamanten*, 1966, p 64 ff, who paid special attention to the price structure of cut diamonds from the historical viewpoint. Rosnel's method precedes the publication of the standard method of pricing as described by J E Tavernier, *Les six voyages*, 1676, often cited as the earliest publication of the rule, and by far anticipates the similar rule published by David Jeffries in his *A Treatise on Diamonds and Pearls*, 1750.

5570. -----1668, Paris reprint. Le Mercure Indien... Dedié à Monseigneur Le Tellier. Par Pierre de Rosnel Orfévre ordinaire du Roy. A Paris, Aux dépens de l'Autheur demeurant ruë S.Denis. M.DC.LXVIII. Avec Privilege du Roy. 8°: [15, [1 blank], 64 p + pl-136 + [2] + p 137-176. The last part has a short title: De L'Estimation des Pierres Precieuses, et des Perles. Ensemble des autres pierres moins precieuses. Not seen, from J.Ferguson *Bibliotheca Chemica*, 2, p 295. Apparently this edition omits privilege statement on the last page of the preliminaries which Ferguson shows as blank.

An interesting variant was brought to my attention by Sandbergs Bokhandel, Stockholm(pers comm, Aug 18, 1965). An overlay in their copy has been pasted over most of the titlepage, that is, an engraved but greatly enlarged reproduction of Tellier's coat-of-arms, 11.5 x 10.5 cm, which obscures all but the first eight lines of the title; at the bottom of the overlay appear: "A Paris" which is part of the original title. The title to the second part is similar and is of same date. Sandbergs suggests that "between the date of printing and publication of this second edition, Monseigneur le Tellier (whose coat of arms is on the original title page) became *archèveque de Reims*, and the overlay is his new coat of arms."

5571. -----1672, another edit, Paris Le Mercure Indien, ou le Trésor des Indes. Ière Partie: De l'Or, de l'Argent et du Vif-argent...; IIème Partie: Des Pierres Précieuses et des Perles... de l'Agathe, du Jaspe, du Lapis, et d'autres. De l'Estimation des Pierres Précieuses, des Perles, etc. IIIième Partie: Traitté Sommaire de l'Institution du Corps et Communauté des Marchands Orfèvres, sous le Regne du Roy Philippes de Valois. Paris, Robert Chevillion, 1672. 4°: 4 11. + 35 pp. + 2 blank leaves; 4 11. + 71 pp. = 23 pp.; 2 11. + 4 pp. + 4 pp. + 16 pp. + 39 pp(numbered 25-635. With engrav arms on each title of the first two parts and a beautifully engraved frontispiece to the third part of the Arms of the French Goldsmiths' Corporation. Not seen, from E P Goldschmidt & Co Ltd, London, Cat 29, "Classics of Science," 1932, p 67-8. "Best and most complete edition... in the first part the author deals with gold and silver... this treatise displaying a considerable knowledge of metallurgy and written by a working goldsmith, was considered particularly authoritative and valuable in its day. The second part deals with pearls, coral and all kinds of precious stones, and at the end in a section of 23 pp. giving the values of these stones according to their quality and weight. The third part, with a titlepage dated 1662 (obviously a misprint for 1672, as to the contents show), which appears in this edition for the first time, is on the history of the Goldsmiths' Guild, their privileges, the conditions governing apprenticeship and admission as master, and a complete list of master goldsmiths from 1337-1671 year by year. This is followed by a "Recueil des Statuts, Ordonnances, Règlements et Privilèges," with the "Extraits des Arrests et Jugements" not only with reference to goldsmiths but against Stonecutters, Clockmakers, Engravers, Copperworkers, etc. The whole is preceded by a beautifully engraved plate of the Arms of the Corporation."

ROSS, C S, see MISER, H D, 1923

5572. ROSS, LILLIAN Profiles. The Big Stone - 1. *The New Yorker*, NY, May 8, 1954, p 36-8, 40, 42-4, 46, 48-50, 56, 59, 60, 62-5; May 15, 45, 46, 48, 50-2, 54-6, 58-60, 63-7. Biographical sketch of Harry Winston, famed jeweler of New York City noted for his buying & selling of exceptionally large diamonds and other precious stones as well as for buying & cutting very large rough diamonds.

5573. ROSS, MARVIN C

The Collections Of | Marjorie Merriweather Post | Hillwood, Washington, D.C. [to right monogram "KF"] | [rule] | The Art of Karl Fabergé | and His Contemporaries | [rule] | Russian Imperial Portraits | and Mementoes | (Alexander III - Nicholas II) | [rule] | Russian Imperial Decorations |and Watches | [rule] | By Marvin C.Ross | With a Foreword by | Marjorie Merriweather Post | University Of Oklahoma Press: Norman [1965]

8°: xviii, 238p; glossy col portr pl of Post is tip-in front; 74 other col photos on 52 bound-in glossy f; 266 text photos. Black buckram spine, gilt title, rule, & long vertical rules on cover parts; covers flecked grayish-blue buckram with Karl Fabergé monogram on front, Col dj: pale blue-gray frontwith white & black lett, col photo; white & black lett spine; other bks back cover; flap resume, vita, 22.9 x 15.4 cm(9 x 6 in). Cut. Teg. $15.00. LC 65-14804. JSL.

Cont: monogr; 1/2tp; front; tp; publ data & other bks of author; fwd; pref; tab cont; list col ill; 8 parts text; biblio(p 229-33, 35 bks, 37 articles; 13 sales catalogs); index.

Aside from the several major works on Fabergé by Snowman and Bainbridge, this large and detailed treatise provides a third major work, covering much similar ground insofar as Fabergé is concerned, but also including many other jewelers and their products working in the same period. For this reason it is almost unique and now much more in demand and commanding higher prices in the antiquarian market. It is excellent in every respect, well-illustrated, and based unon the large and varied collections assembled by Post and housed in her estate in Washington, DC. "Mrs. Post acquired her first Fabergé object in 1927, and in 1931 her daughter gave her Fabergé's imperial "Pink Egg" made in 1914. Her interest in and systematic study of these art objects were given full expression during an extended stay in Russia, from 1936 to 1938 [dj]."

The eight parts treat Fabergé and his workmasters, his Russian emulators and followers, the Pan-Slavic Movement in metalwork and enamel, Russian imperial portraits, imperial mementoes, orders, decorations and prizes, decorations for court ladies, and Russian imperial watches. The most interesting gemological material occurs in the first part wherein numerous items made wholly or in part from gemstones are carefully described. However, Mrs Post's collecting targets were enamels, of which far more are represented in the collections. On the other hand, the importance of gemstone carvings is acknowledged by a separate chapter, p 67-71, devoted to them. The catalog is also valuable for the considerable biographical &

historical information and anecdote given under workmasters, donors and recipients, and sources, all of which adds enormously to its reference value.

In 1969, the press carried the announcement that the Smithsonian Institution had accepted the gift to the nation of Post's Hillwood estate and its contents, including the items described in this catalog as well as other art treasures. Dillon Ripley, Secretary of the institution, thereupon stated that Hillwood housed "the greatest collection of Russian imperial art outside Russia." It seems that the present work was printed in limited number; by 1975 it was out of print.

5574. ROSSI, D

Étude | Sur L'Origine | Du Diamant | [double rule] | Extrait | Du Bulletin De La Société Scientifique De Draguignan. | [rule] | Draguignan [Dept Var, SE Fr], Imprimerie De P.Gimbert. | [rule] | 1860.

Edgesewn: [4], 28 p. Pale brown wrap, cover title. 24.7 x 16 cm(9 3/4 x 6 1/4 in), Uncut. USGS Kunz Coll.

Cont: tp; ltr to Dr Auban; text.

Discusses natural history & properties of diamond, also some cultural history, several famous diamonds, phosphorescence, speculations on cause of adamantine luster. Despite title, very little is said about genesis.

ROSSI, DOMENICO DE, see AGOSTINI, L, 1657, 1669, & MAFFEI, P A

5575. ROSSI, FILIPPO Capolavori di oreficeria italiana. Milano: Electra Editrice, 1954. Not seen.

5576. -----1954, New York

Filippo Rossi | Italian | Jeweled Arts | Harry N.Abrams, Inc., New York [title in black & brown; 1954]

4°: 233, [1 blank]p; col glossy front pl mounted + 93 col photo pls(some multiple) of which 8 heightened in gold & silver, all cut-outs mounted on text ff; 42 b&w text photos. Tan, unfin cloth, gold cover & spine titles. White dj, col photo on front; flap resume, other bks of publ. 30.3 x 23.3 cm(11 7/8 x 9 1/4 in), Cut. $35.00. JSL.

Cont:1/2tp; front; tp; publ data; tab cont; introd; notes; pls; biblio (p 223, 34 entries); ill list; index; ackn; blank p.

Translated by Elizabeth Mann Borgese, Milton S Fox, editor(p [iv]). A lavishly illustrated compilation of Italian jeweled objects, many composed largely of gemstones or ornamented by gemstones. A worthwhile reference book for the gemologist who wishes to see how gemstones were employed in such costly objects of ornament. The introduction historically surveys the development of the jewelry arts in Italy from the Romanesque period (ca 1000 AD) to the 17th century, during which discussion a large number of types of objects are described, eg, chalices, reliquaries, altar furniture, cups, etc. Selected examples are described in detail along with remarks on styles, methods of working the materials, and the artisans responsible for their execution. Excellent color plates illustrate splendid pieces in rock crystal, lapis lazuli, chalcedonies, and other massive stones, and including engraved gems as well as cut gems used as points of ornamentation. The most important pieces are housed in the Medici collections in Museo Degli Argenti, Florence.

5577. -----1956, Paris edit Chefs-d'ouevre de l'orfèvrerie. Paris, 1956. 4°: 241 p; 135 il1(93 in col). 150 Fr. Not seen.

5578. -----1957, Ger edit

Filipp Rossi | Italienische | Goldschmiedkunst | [logo] | Hirmer Verlag München [1957]

4°: 221, [1]p; same ill as in NY edit. Dull orange unfin cloth, gold title on cover & spine. Gold dj; col photo on front. 29.9 x 23.3 cm(11 3/4 x 9 1/4 in). Cut. JSL.

Cont: 1/2tp; front; tp; publ data; introd; pls; notes; index of persons; index of places & subjects; biblio(p 221); ackn; tab cont.

5579. -----1958, Swed edit Italienskt guldsmide. Från tiohundratalet till artonde seklet. Malmö: Allhem. Not seen.

ROSSI, GIOVANNI GHERARDO DE(1754-1827)

Celebrated Ital writer & antiquary, b Rome, who "displayed imagination, learning, and taste in numerous works." Thomas *Dict.*

5580. -----1792

Vita | Del Cavaliere | Giovanni Pikler | Intagliatore In Gemme | Ed In | Pietre Dure. | [rule] | In tenui labor, ad tenuis non gloria. | [rule] | [3 rows of crosses, stacked] | In Roma | Nella Stamperia Pagliarini | MDCCXCII. | [rule] | Con Licenza de' Superiori.

8°: [7], [1 blank], 56 p; pi^4, A-C^8, D^4. 17.9 x 11.4 cm(7 1/8 x 4 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; dedic; text.

Life of the celebrated Neapolitan artist-engraver of gems, perhaps the most skilled in modern times, Johann Pichler(1734-1791), his original Austrian name. He was born in Naples the son of famous gem engraver Johann Anton Pichler(1697-1779) who had emigrated to Italy to practise his art. Son Johann began emulating his father's art as early as age 14, and as the present account relates, he studied earnestly, was skilled in design, in perspective, and was also noted for his great artistry in pietre dure, or the hardstone inlay work that was a specialty of lapidary workshops in Florence, and where the art still survives. See Cicognara 2366, *Univ Cat Books on Art*, 2, 1776; also *Biogr Univ*, 34, 440-2.

ROSSIENSKAYA, R B, see FERSMAN, A E, 1920

ROSSIGNOL, JEAN-PIERRE(b ca 1805)

B Sarlat, Fr; noted Fr scholar; produced several works on ancient hist.

5581. -----1878

Des Services | Que Peut Rendre | L'Archéologie | Aux Études Classiques |... [7 lines]...| Par J.-P.Rossignol | Membre de l'Institut | Professeur de littérature grecque au Collége de France | [rule] | Paris | Adolphe Labitte, Libraire-Éditeur | 4, Rue De Lille, 4 | [rule] | 1878.

8°: [3], [1 blank], 468 p. Pale gray wrap, title in frame on cover; spine title; back cover frame. 22.8 x 14 cm(9 x 5 5/8 in). Uncut. USGS Kunz Coll.

Cont: 1/2tp; print data; tp; blank p; pref; introd; text; index.

Ch 9, p 228-57, "Des graveurs sur pierres fines," a discussion of the value of engraved gems in the interpretation of ancient history.

5582. RÖSSLER, R Die Perlen und ihre Entstehung. *Beilage zum Jahresber der Gymnasium zu Zwickau*, Ostern, 1907. Zwickau: R Zückler, 1907, 28 p. Not seen.

RÖSSLIN, EUCHARIUS(d 1547)

Lived nr beginning 16th c in Ger; medical writer & physician; travels to Denmark, Holland; practised medicine Jülich, Ger to 1526; town physician Frankfurt am Main; his famous herbal appeared in 1533, 2nd edit 1535; by 1547 7 edits publ, all by Christian Egenolff, Frankfurt a/M; further details incorporated in following.

5583. -----1978

Eucharius Rösslin | The Younger | On Minerals and Mineral Products | Chapters on Minerals from his | "Kreutterbůch" | Critical Text, English Translation, | and Commentary by | Johanna Schwind Belkin and Earle Radcliffe Caley | Walter de Gruyter · Berlin · New York | 1978

Facing title: "Ars Medica, Texte und Untersuchungen zur Quellenkunde der Alten Medizin... IV. Abteilung, Landessprachige und mittelalterliche Medizin herausgegeben von Gerhard Baader, Gundolf Keil, Richard Toellner, Band 1."

8°: XXXVII, [1 blank], 418, [2 advert]p. Brownish-yellow cloth, dk green lett on cover & spine. 22.7 x 15.5 cm(9 x 6 1/8 in). Cut. DM 240. ISBN 3-11-006907-5; LC 77-18996. JSL.

Cont: 1/2tp; ser tp; tp; publ & catalog data; pref; tab cont; biblio (p XI-XXXVII, several 100's); introd(6 chs); text & transl; commentary; appends; indexes; corrections; advert.

The gemologist interested in the medicinal lore of gemstones as it was reflected in the herbals of the Middle Ages will find a wealth of material herein and the translation of Rösslin's Kreutterbüch of 1535 which appear on p 51-205. Aside from the first chapter, which gives instructions in the art of polishing stones, the remaining 92 chapters treat mineral substances in alphabetical order, beginning with "adamas" or diamond, and ending with "zignites," a stone that is merely said to be "a glass-colored stone" by Rösslin. In between are numerous true gemstones, ornamental stones, the organic gemstones as pearl, amber, jet, and coral, and others, most being recognizable but a considerable number being fitted with names that can no longer be attached to known mineral substances. All comments are terse being no more than a brief identification followed by supposed healing powers, The extensive bibliography is a valuable feature because it provides fertile ground for any interested in delving further into similar treatises of locating translations and commentaries on lapidaries of the period. As Belkin & Caley point out, Rösslin's information on stones was obtained from numerous sources before him, and unlike Agricola's works, contains virtually no original material. Aside from its value to the student of ancient gemological literature, it furnishes the reader with comparisons to other works of the period in order to portray medieval thought as it pertained to the mineral kingdom and especially in regard to the medicinal lore of gemstones.

ROST, C C H., see KESLER, J W

5584. ROST, RUDOLF Behaviour of moldavites in polarized light. Charles University, Prague, *Acta Universitatis Carolinae, Geologica*, No 2, 1967, 95-112, 75 fig(figs 61-75 on glossy f). JSL. Examined about 100 moldavites in polarized light; immersion fluid: benzene; determined strain figures; noted that such can be of diagnostic value to gemologists when examining rough or cut specimens.

5585. -----1972 Vltavíny a tektity [moldavites and tektites]. Praha: [publ house Academia], 1972, 241 p, 259 fig, map. In Czech. Kčs 15. Not seen: *Min Abstr* 24, 2, 1973, 117. P 80-120 on moldavites; includes Libyan Desert glass.

ROST, R , see BOUŠKA, V, 1968

5586. ROTH, JOHANN FERDINAND(1748-1814)

Mythologische | Daktyliothek. | [taper rule] | Nebst | vorausgeschickter | Abhandlung | von | geschnittenen Steinen. | [taper rule] | Herausgegeben | von | Johann Ferdinand Roth, | Diakon an der Hauptfarrkirche zu St.Sebald | in Nürnberg. | [rule] | Mit zwey Kupfertafeln. | [orn rule] | Nürnberg, 1805. | bey dem Verfasser und in Kommission der Steinischen | Buchhandlung.

8°: xxiv, 187, [1 blank]p; 2 engrav pls on a tip-in double-f betw p 110-1 on white paper. Thick pale gray-blue wrap, engrav orn title label cemented to spine. 21.1 x 14.5 cm(8 1/4 x 5 5/8 in). Uncut. All text paper pale blue. JSL.

Cont: tp; pref; tab cont; 2 pt text; index; blank p.

The preface provides a valuable review of all important books on engraved gems and comments on previous attempts to manufacture impressions or casts of antique engraved gems. Much space is devoted to Philipp Daniel Lippert's impressions, with notes on his work and the descriptive texts published with the sets of impressions(see LIPPERT, P D). The first part of the text treats the history of gem engraving and its development among the ancient Egyptians, Etruscans, Greeks, Romans, and Europeans, with specific discussions on the development of the art in Italy, France, England, and Germany. A short chapter is devoted to Laurence Natter and his gems(which see), another to gem engraving in the city of Nürnberg, and others on collections, the uses of gems, difficulty in interpreting inscriptions, figures & symbols on gems and their meaning, problems in distinguishing fake gems from the real antiques, materials used in gems, the equipment of the engraver and methods of work(with much interesting detail on technique), glass pastes and how made, copying methods, and lastly a running account of celebrated copper-plate books depicting engraved gems. The two copper plates appear here, the lefthand plate showing a gem engraver at work as his bench, and the other a large variety of tools and accessories; both are accurately and artistically executed and perhaps are the best ever presented of a gem engraver pursuing his art. The second part of the book merely lists and describes 90 impressions of engraved gems which comprise the collection here offered for sale. This is a little-known work and one that deserves far more recognition of the value of its remarks. Goodland, 529; Marlborough Rare Books, London, Cat 113, 1985, no 126; Zazoffs, *Gemmensammler*, 1983, 168-9.

ROTHSCHILD, G L S, see INTERNATIONAL GEMOLOGICAL SYMPOSIUM

5587. ROTHSCHILD, MEYER D

A Hand-Book Of | Precious Stones | By | M.D.Rothschild | [rule] | New York & London | G.P.Putnam's Sons | The Knickerbocker Press | 1890

8°: blank f supplied + [2], 143, [5 blank]p; 10 fig, tab. Dk blue, pebbled cloth, title & cut gems on cover; gold title & rule on spine. Dull green or tan floral pattern endp. 17.2 x 10.7 cm(6 3/4 x 4 1/4 in). Cut. $1.00. LC 8-37255. JSL.

Cont: blank f; tp; publ data; tab cont; pref; text; tab; index; 5 blank p.

Simply written, understandable popular treatise on the principal facts of gems and gemology covering properties and descriptions of numerous major and minor gemstones, followed by a table of hardnesses & specific gravities. It enjoyed considerable success in its day and passed through many printings, all essentially identical and differing only in the cloth bindings. I have examined issues of 1893, 1901, 1903, and 1905, but cannot claim to have seen all.

ROTHSTEIN, JOE, see FLETCHER, EDWARD, 1973

5588. ROTTER, MARIA

Im Wunderreich | der Edelsteine | fünf Marchen | von | Maria Rotter | 19 [logo] 39 | [rule] | Richard Hummel Verlag/Leipzig

8°: 101, [3 advert]p. Thick, plain white wrap, enclosed in pale blue wrap with orn frame & title in darker blue on cover; title, rules on spine. 18.5 x 12.8 cm(7 1/4 x 5 in). Cut. JSL.

Cont: 1/2tp; tp; dedic & publ data; tab cont; 5 chs; advert.

Actually five essays rather than tales or fables, on the mysticism of gems and the interactions of mind & precious stones throughout the ages. Considerable curious lore is provided but the writing is often obscure, long-winded, and unfactual. The five essays are entitled "The Star Sapphire," "The Seven Kings," "The Jade Ornament," "In Ancient Egypt," and "The Golden Topaz." Possibly of interest to the specialist in occult lore of gems but the same material is more readily obtainable from many other texts and in far more palatable form.

5589. ROTTERDAMSCHE BANK N V Diamonds... Rotterdamsche Bank N.V. Rotterdam-Amsterdam Number 4 Year 1952. 8°: 44 p; 14 text photos; 9 tab. Stiff, tan paper wrap, blue lett on cover over a brown outline map, enclosed in blue & red frame; red & blue bank logo back cover. 27 x 30 cm(10 5/8 x 7 7/8 in). Cut

Special issue of a quarterly financial journal devoted to the diamond: production, sources, American market conditions, Amsterdam cutting industry, Belgian cutting industry, analysis of trade trends, extensive sales statistics.

5590. ROTTLÄNDER, R C A On the formation of amber from *Pinus* resin. *Archeometry, Bull Research Lab Archeol and Hist Art*, Oxford, 12, 1970, pt 1, 35-51. Not seen; from G R v Bock, 179.

5591. ROTZOLL, DIRK U

Dirk U.Rotzoll: "Atlas über Quarz" | c 1985 by DUR-Selbstverlag, D.U. Rotzoll | Georg-Krücke-Strasse 16 | 6200 Wiesbaden 1 |...[2 lines rights]... | 1.Ausgabe Januar 1985(taschenbuch ausgabe) | Preis <980>

Edgestapled: 80, [1], [3 blank]f (versos blank!); many crystal & specimen drawings. Dull orange wrap(includ in pag!), with crystal drawing on front 19.9 x 14.6 cm(8 1/4 x 5 3/4 in). Cut Cont: cover; tp; tab cont; 6 pts text(40 chs); addend; append; cover.

Popular summary of features all members of the quartz family and other silica minerals, including opal. First two parts: mineralogy & crystallography of quartz; part 3 on crystalline varieties; parts 4 & 5 are particularly interesting to the gemologist because they deal with inclusions in quartz, ie, tiger's-eye, aventurine, etc, while part 5 on chalcedonies. The 6th part is on opal, but very brief. A useful condensation.

5592. ROUCHON, ULYSSE Recherches sur les argentiers, orfèvres, lapidaires, émailleurs et graveurs de camées du Puy-en-Velay (XIIe-XIXe siècles). Le Puy-en-Velay, 1943, xiii, 252 p; 16 pls; wrap. Not seen; from Sims, Reed & Fogg, London, *Cat* 59, Spring 1984, no 403.

ROUELLE, H M, see DARCET, J, 1772, 1773; also ROZIER, F

5593. ROUGHLEY, THEODORE CLEVELAND(1889-)

Wonders of the | Great Barrier Reef | By | T.C.Roughley, B.Sc., F.R.Z.S., |...[3 lines of credentials]...| With Fifty-two natural-colour Photographs | by the Author | Australia | Angus & Robertson Limited | 89 Castlereagh Street, Sydney | 1936

8°: xiii, [3], 282, [2]p; col front pl bound-in; 51 col photos on 36 bound-in glossy pls; 30 b&w photos on 8 bound-in pls; 2 holograph letters in text; 1 fig. Green cloth, blind cover frame; gilt lett & rules on spine. Front endp is map. 22.8 x 15.8 cm(9 x 6 1/4 in). First edit. JSL.

Cont: 1/2tp; tp; publ data; pref; tab cont; ill lists; text tp; 18 chs; gloss; index; print data.

An informal and often exciting account of the author's adventures on the Great Barrier Reef of the northeast shoreline of Australia, with much in the way of additional remarks of scientific & technological interest. Of particular interest are the lucid accounts of pearling and the mother-of-pearl industry upon the reef, including the fishing and remarks on uses of the trochus shell which appear in Ch 17, "Wealth from the reef," p 216- 39. Enormously popular, this work was reprinted in almost every year from 1936 to at least 1966, and probably more after the last year. An examination of the 13th edition of 1961 shows that the pearl chapter was brought up to date. An edition in the United States of America was published in 1947 by Charles Scribner's Sons, New York.

5594. ROUSE, JOHN D

Colored Stone | Aesthetics | A Grading System | For Gem Buyers And Appraisers | Faceted Gems | by John D.Rouse, G.G., M.A. | President, Jewelry Tech Institute, Inc. | Editor, Precious Gem Investor magazine | Ge-Odyssey Gem Publications, | Garden Grove, California | First Edition, 1983

Black plastic spiral-type binding of loose leaves: 52 p, tabs & graphs in text. Thick pale tan-yellow covers, with title & drawing of cut gems with price on front. 21.7 x 13.3 cm(8 1/2 x 5 1/4 in). Cut. $8.00. JSL.

Cont: tp; publ data; tab cont; text; advert; tab of tonal scale.

Offers a system of judging color, brilliance, clarity, and assigning numerical values to same by use of a worksheet(sold separately in tablet form of 50 sheets), then totting up the numbers to provide a single figure which evaluates the gem in one of the following classes "collector gem," "fine gem," "gem," "upper commercial," "commercial," and "lower commercial." In effect the author defines what colors or color admixtures are considered most desirable in the following gemstones and bases his tables accordingly: ruby, sapphire, emerald, aquamarine, topaz, tourmaline, garnet, spinel, peridot, zircon, tanzanite, amethyst, and citrine. The separate evaluation sheet is 28 x 21.7

cm(11 x 8 1/2 in), cemented in 50 sheets at the top, and with a white cloth hinge; the tear-sheets are on pale tan, mottled stock. Price $2.50.

5595. -----1986

Butterworths Gem Books | Garnet | John D.Rouse | Butterworths | London Boston Durban Singapore Sydney Toronto Wellington [1986]

16°: x, 134 p; 37 col photos on 4 bound-in glossy f, 30 fig, 21 tab, & 5 unnumb spectral bars. Glossy white, plasticized paper over bds, col photo, red & black lett on cover; similar lett spine; advert, laser code, etc on back cover with resume in pink panel. 23.3 x 16.4 cm(9 1/8 x 6 1/2 in). Cut. $29.95. ISBN 0-408-01534-9; LC 85-17143. JSL.

Cont: 1/2tp; other series bks; tp; publ data; pref; tab cont; summary properties tab; 8 chs; 3 appends; index.

As with other books in this series the present work is attractively presented and provides immediately after the table of contents a "profile" or properties summary of the garnets. This is followed by the first chapter, devoted to the history of garnet from antiquity to the present, citing many ancient authors and providing interesting discussions of garnet sources and trade routes as well as the uses to which the garnets were put. As with other chapters, the bibliography appears at the chapter end. Chapter 2 takes up chemistry, physical properties, color and classification, identification, and a brief note on treatment. The remaining chapters now describe the species, namely, pyrope, almandine, intermediate categories(rhodolite, etc), spessartite [sic], grossular, and andradite and the "rare" garnets as uvarovite and color-change garnets. The first two appendices provide a color analysis of "pyrandines" and absorption spectra(illustrated), while the third appendix briefly describes and depicts garnet-set jewelry in ancient and medieval periods(8 photographs). Many of the text illustrations are sketch maps of sources and routes, also diagrams; virtually the only photographic illustrations are those, in color, of inclusions primarily, also a few cut gems. Thorough, overall excellent work that embodies more information on the garnets than found in any other single treatise. Generally favorable review: F H Pough, *JCK Books Newsletter*, 4, 1987.

5596. ROUSH, G A Precious and semi-precious stones: chapters in *Mineral Industry, Its Statistics, Technology and Trade*, New York, publ annually 1892-1941(1893- 1942). Roush's articles ca 20 p, from vol 41 onward(1933-). LC 99-3613.

ROUSSEL, Madame, see CATALOGUE DES JOYAUX COLLIERS, etc

5597. ROUX, P Manuel de l'orfèvre et du bijoutier. Paris: impr Cosse et G. Laguionie, 1838. 12°. Not seen; from Marquet De Vasselot, *Biblio Orfèvrerie*, 1925, p 12.

5598. ROWE, A A catalogue of Egyptian scarabs, scaraboids, seals and amulets in the Palestine Archaeological Museum. Le Caire: Institut Francaise d'Archaeologie Orientale, 1936. 2°: xlvii, 348 p; 38 pls with num ill; 7 text fig + 3 double graphs. Cloth-backed bds. Not seen: from Sims, Reed & Fogg, London, *Catalogue* 86, Summer 1986, no 5175. Another ref gives 4°, and with a map.

ROXO, or ROJO, JUAN BERNARDINO(late 17th c-post 1744)

Native of Gascueño, Cuenca Province, Spain; is said to have written the below treatise in 40 to 50 days; retired to his native village in 1744.

5599. -----1747

[Maltese cross] | Theurgia General, | Y Especifica | De Las Graves Calidades, Maravillosas | virtudes, y apreciable conocimiento de las mas preciosas | Piedras del Universo: | Una Breve Explicacion De Los Enigmaticos | Colores: | Un Discurso Ilustrado Giganteo: | Y | Los Raros Hechos Del Obispo Fingado | Griego, Legatus à Latere. | Su Author | Don Juan Bernardino Roxo, Capellan Mayor (Jubilado) Delegado | Apostolico, | con facultades de Vicario General de los Exercitos Ca- | tholicos en las Expediciones de Oràn, penultima de Italia, y electo | que fue para la que se bacia en Mallorca el año de 1740. | è Inquisidor en ellos, &c. | Dedicase | A La Exc$^{ma.}$ Señora Doña Maria Ana | Francisca Spinola y Sylva, Condesa de Siruela, &c. | Y Al Mismo Tiempo Se Defiende A Todas | las señoras mugeres en esta humilde atenta Dedicatoria, | con gravel sólidas, invulnerables doctrinas. | [rule] | Con Licencia. En Madrid: Por Antonio Marin, año de 1747. | [rule] | Se hallarda à en la Librerìa de Juan de Moya, frente las Gradas de San Philipe.

8°: [72], 343, [1 blank]p; ¶ -¶ ¶ ¶ ¶^{8}, ¶ ¶ ¶ ¶^{4}, A-X^{8}, Y^{2}. Ch orns, woodcut int. 20.7 x 15.2 cm(8 1/8 x 6 in). Cut. BM(NH) Libr.

Cont: tp; quots; dedic; approb; license; approb; license; errata; "suma de la tassa;" tab cont; arguments & observations; "carta admirable;" 23 chs; discourse on giants & pygmies; life of Francisco Camacho; index; blank p.

A grand mixture of fact, lore, and anecdote on gemstones, with the first three chapters devoted to the 12 gemstones of the Bible as described in the Apocalypse, the marvelous powers of the lodestone and other magical stones, and thence to and including chapter 10 in a treatment of mineral gemstones and the inorganic materials as coral, pearl, jet, and bezoar. Chapter 11 discusses the precious stones of the Orient while succeeding chapters describe many other stones which are also deemed to possess magical or curative powers. Here too we find remarks on vases and statues made of stone, and even a discussion of the salt statue into which Lot's wife supposedly turned, and further, the significance and lore of colors. Having no relationship whatsoever with the major theme is the discussion about giants and pygmies, and also the biography of bishop Francisco Camacha. All of the bits and pieces appear to be taken from Pliny, Albertus Magnus, and other early writers as indicated by acknowledgments in the profuse marginalia. There is little discernible order of presentition possibly reflecting the haste with which this book was written, and one must frequently consult the index to find desired information. In addition to description, Maffei & Figueroa, 2, 111-2, no 2203, also furnish very brief biographical notes on Roxo. Very rare.

5600. ROY, B C Emerald deposits in Mewar and Ajmer-Merwara, *Rec Geol Survey India*, 86, pt 2, 1955, 377-401, 5 fig(map, cross-sects). JSL. Emerald identified in 1944 resulted in exploitation of deposits along a belt of schistose rocks in the regions mentioned. History, previous references to geology, geology & mineralogy, modes of occurrence, mines & prospects, methods

of mining & recovery, origin of emerald, its composition and properties, production, and commerce. Refs, p 401, 16 entries.

5601. -----1958 The economic geology and mineral resources of Rajasthan and Ajmer. *Mem Geol Survey India*, 86, 1958. 8°: [2]f + ii, 356, [1]p; col fold geol map. Card covers, cover title. 24.1 x 16 cm(9 1/2 x 6 3/8 in). Cut. Rs 16.00 or 25 s. JSL. Ch 23, 154-63, describes occurrences of amethyst, emerald, epidote, fuchsite quartzite, garnet, lapis lazuli, opal, rock, crystal, turquoise. Biblio p 163, 12 entries. LC 61-43013.

5602. ROY, C W VAN

Ansichten | über | Entstehung und Vorkommen | des | Bernsteins, | so wie | praktische Mittheilungen | über | dem Werth und die Behandlung | desselben als Handelswaare | von | C.W. van Roy, | Bernsteinarbeiter in Danzig. | [orn rule] | [orn rule] | Danzig, 1840. | Gedruckt bei Carl Wilhelm Sabjetzki.

8°: [2], IV, [2], 47 p; contemp paper-bds. 20 x 12.3 cm(7 7/8 x 4 7/8 in). Cropped. JSL. Agassiz IV, 220.

Cont: tp; dedic; fwd; errata; text.

An interesting and detailed treatise on Baltic amber, summarizing the knowledge concerning its composition, origin, occurrences, mining methods and recovery from seashore deposits, insect inclusions, commercial classification, lapidary treatment, and trade. Much of the last part is devoted to commercial aspects and is therefore one of the earliest amber books to emphasize the commercial rather than the natural history aspects of amber. This is not unexpected in view of the fact that the author identifies himself on the titlepage as a "worker in amber." Mentioned in Scudder, *Biblio Fossil Insects*, p 74. Rare.

5603. ROYAL COLLEGE OF SURGEONS

A Descriptive And Illustrated | Catalogue | Of The | Calculi | And Other | Animal Concretions | Contained In | The Museum | Of | The Royal College Of Surgeons | In London. | [soc logo] | London: | Printed By Richard And John E.Taylor, | Red Lion Court, Fleet Street. | 1842[-1845].

In two unnumb vols with identical tps; suppl described below.

4°: xix, [1], 138 p + 12 hand-col pls engrav on copper & zinc + [12] explan f + [4]p + p 135[sic]-266 + pls 13-17(uncol) + [5]f explan. Error: p 211-12, largely repeated, thus there are 2 f paged "211-212," and part of the signature nevertheless. Orig in wrap(?). 28.2 x 22.3 cm(11 x 8 3/4 in). Cropped. JSL.

Cont: tp; pref; introd to Pt I; tab; tab cont; text; append; pls; tp to Pt II; tab cont; errata; text; pls.

5604. -----1871, supplement

A Descriptive Catalogue a Of The | Calculi | And Other | Animal Concretions | Contained In | The Museum | Of The | Royal College Of Surgeons Of England. | By | Thomas Taylor, F.R.C.S. &c, | [rule] | [soc logo] | London: | Printed By Taylor And Francis, | Red Lion Court, Fleet Street | 1871.

4°: viii, 87, [1 blank]p. Same size. JSL.

Cont: tp; pref; tabs; text.

The large collection was formed from Dr John Hunter's(1728-1793) collection, and from calculi purchased from the British Museum that formerly belonged to Sir Hans Sloane(1660-1753), and further enlarged by various other purchases and gifts. The first two volumes do not formally acknowledge upon the titlepage the descriptive endeavors of Thomas Taylor(d 1848), but credit is given in the preface(p vi). The introduction provides a concise history of man's knowledge of calculi found within him and in other animals, and describes early attempts to examine calculi, determine their compositions, and speculate as to the causes of their formation and the cures, ameliorations and physical removals of same. The classic bezoars mentioned in old lapidaries or gem books are also considered and examples described at various places in the text. The exquisitely engraved plates are remarkable for their quality and for their hand-coloration, the first plate, engraved by Basire on copper, is followed by the others all engraved on zinc because the last metal is "much better calculated to delineate the texture of calculous concretions than the former," these being from the hand of a Mr Aldous. However, the plates of the second part, equally as exquisite, are plain. "Probably the most extensive study of mammalian calculi ever undertaken..."(Charles Milton & Joseph Axelrod, *J Mammalogy*, 32, 2, 1951, 139-54, who quote extensively from this work). A most desirable acquisition for the gemologist wishing to learn more of the legendary bezoar regularly classed as "precious" along with gemstones.

5605. ROZANSKI, STANISLAW Z dziejow wschodniopruskich regaliow bursztynowych [Zur Geschichte d ostpreussischen Bernsteinregals]. *Kommunikaty Mazursko-Warminskie*, 2, 64, 1959, 180-197, Not seen; from G R v Bock, p 179.

5606. ROZHKOV, IVAN SERGEEVICH(1908-), et al

Akademiya Nauk SSSR | Yakutskiy Filiala Sibirskogo Otdeliniya | I.S. Rozhkov, G.P.Mikhalev, | L.M.Zaretskiy | Almazonosnye Rossypi | Malo- Botuobinskogo Rayona | Zapadnoy Yakutii | (Usloviya Ikh Formirovaniya, | Sostav Kontinentalnykh Otlozheniy | I Geneticheskie Tipy) | Izdatelstvo Akademii Nauk SSSR | Moskva 1963

Cementb: 136, [4]p; 43 fig; 3 pls(1 fold) bound-in at end; 69 tab(1 fold). Pale green wrap, white band, black title on cover. 25.6 x 16.1 cm(10 1/8 x 6 1/2 in). Cut. 89k. Press run 800. JSL.

Cont: tp; edit; pref; 7 chs; biblio(p 136-7, 33 entries); pls explan; pls; tab cont; publ data.

Diamondiferous placers of Malo-Botuobinsk region of western Yakutia, Siberia. Brief history of explorations, basic structure, characteristics of "continental type" diamond deposits, lithology & mineralogy of diamondiferous kimberlites, mineralogy of pyrope from Mir pipe, morphology of diamond crystals, formation of placers, genetic types observed in the region.

5607. ROZHKOV, I S, edit. Geologiya almaznykh mestorozhdeniy. *Akad Nauk SSSR, Yakut Fil, Yakutsk, Trudy, Ser geol Sbornik* 9, Moskva, Izdatelstvo Akademii Nauk SSSR, 1963, 187 p, ills(maps, diagrs), tabs, 26 cm, includes biblios. Not seen; from *Min Abstr*, 17, 1, 1965, 14, which notes that this document contains 18 papers on geology, tectonics of Yakutian diamond deposits, mapping methods, geophysical studies, surveys, history of the mining, genesis of diamond, and others topics.

5608. ----- 1964

Akademiya Nauk SSSR | Yakutskii Filial Sibirskogo Otdeliniya | Institut Geologii... Geologiya | Rossypey | Yakutii | [logo] | Izdatelstvo "Nauka" | Moskva 1964

Cementb: 205, [3]p; many ill, maps(some fold). Green wrap, photo and white & black lett, 25.6 x 16.5 cm(10 x 6 1/2 in), Press run 1300. lr 20k. JSL.

Cont: tp; edit note; introd; 12 arts; tab cont; publ data; errata slip.

Geology of Yakutian alluvial gold, heavy metals, diamond deposits by various authors.

5609. ROZHKOV, I S, et al

Akademiya Nauk SSSR | Yakutskiy Filiala Sibirskogo Otdeleniya | Institut Geologii | I.S.Rozhkov, G.P.Mikhalev, | B.I.Prokopchuk, E.A.Shamshina | Almazonosnye Rossypi | Zapadnoy Yakutii | [logo] | Izdatelstvo "Nauka" | Moskva 1967

8°: 277, [3]p; 32 fig(maps, cross-sects, diagrs, part fold); 9 pls(39 photos) on 5 glossy bound-in f not includ in pag. Dull blue paper over bds, pale gray cloth spine; yellowish-tint photo on cover & white title. 25.7 x 17 cm(10 1/8 x 6 5/8 in). Cut. Press run 1500. lr 89k. JSL.

Cont: tp; abstr & edit; introd; text; summary; pls; biblio(p 273- 8, 47 entries); tab cont & publ data.

Reports results detailed geological investigation of the diamond placer region of western Yakutia, Siberia; deposits described, nature of underlying formations, sources of diamond, remarks on diamond crystal morphology. The rock formations are especially well described and cross-sections illustrated.

5610. ROZHKOV, I S & MOROV, A P [Diamonds in mankind's service.] Moskva: Izdatelstvo Nedra, 1967, 192 p, 63 fig, 31 tab, biblio, 33k. Not seen.

5611. ROZICKÝ, VOJTĚCH O topasu japonském. *Rozpravy České Akademie Cisare Frantiska Josefa Pro Vedy, Slovesnost A Umeni, ročník* 18, trida 2, číslo 23, 1909, 1-68, 6 pls(in part col drawings & crystal photos); etch figs), 10 text fig. On Japanese topaz crystals and their morphology. Not seen.

5612. -----1916 Topaz ze Slavkova v Cechach. Ibid, r 25, t 2, c 7, 1916 p 1-19, pl. Topaz from Slavkov(Schlaggenwald), Bohemia.

5613. -----1916 O krystalove rade topasu. Ibid, r 25, t 2, c 22, 1916, p 1-63, fold pl. Not seen.

ROZIER, FRANÇOIS(1734-1793), Abbé

Fr divine, botanist, writer on agricultural subjects; editor *Journal de physique* for 1771-80; his 9-vol agricultural work was much esteemed; d at home from a bomb explosion during siege of Lyons. Pogg 2, 710-11; *Biogr Univ* 39, 206-12.

5614. -----1772

Proces-Verbal | Des Experiences | Faites dans le Labratoire de M. | Rouelle, sur plusiers Diamans | & Pierres précieuses, par Messieurs | Darcet & Rouelle. | Extrait | Du Journal d'Observations sur la Phy- | sique, sur l'Histoire Naturelle & sur | les Arts & Métiers, de M.l'Abbé | Rozier. | [rule] | Volume de Janvier 1772. | [rule] | [orn] | [double-rule] | M.DCC.LXXII. [Paris, 1772]

8°: 30, [2 blank]p; A-B^8; bound-in engrav pl. 18.8 x 12.3 cm(7 3/8 x 4 7/8 in). Trimmed. JSL. Separate from the journal.

A milestone in the determination of the properties of the diamond, in this instance, reporting the experiments conducted by Jean Darcet(1725-1801) and Guillaume François Rouelle(1703-1770) in the latter's Parisian laboratory to demonstrate the combustibility of the diamond. See the memoirs published by Darcet under his name. The description is precedcd by remarks on prior heating experiments conducted by Emperor Francis I and others on diamond, ruby, emerald, and other gemstones. The actual "Procès verbal" begins on p 15 with a list of important persons present during the trials, including D'Aubenton, Macquer, Lavoisier, and other famous chemists and members of the nobility, followed by details on the weighing of the stones, how placed in the crucibles, how long they were heated, and the results. The engraved plate shows, rather formlessly, the two diamonds after partial combustion.

5615. de ROZIÈRE

Mémoire | Sur | Les Vases Murrhins | Qu'on Apportaient Jadis En Égypte, | Et | Sur Ceux Qui S'y Fabriquaient; | Par M.De Rozière, Ingénieur en chef au Corps Royal | des Mines. | [rule] | Extrait Du Journal Des Mines, | N°. 213. Septembre 1814. | [rule] | [wavy rule] | A Paris, | De l'Imprimerie de Bossange, rue de Tournon, n°. 6. | [double-rule] | 1814.

Centersewn: 8°: 30, [2 blank] p; A-B^8, 21.5 x 14 cm(8 1/2 x 5 1/2 in). Uncut. Plain wrap. JSL. Cont: 1/2tp; tp; text; blank f.

Discusses the problem of the identity of the material employed in the so-called "murrhine" vases mentioned by Pliny in his *Natural history*, to which work the author refers in concluding that the properties of the material coincide too closely to those of fluorite to admit of any other substance. Provides a historical review of previous opinions and those of his contemporaries, the properties of "murrhine" as described by Pliny, and descriptions of fluorite by contemporary mineralogists.

5616. RUBBEL, AUGUST

Ueberreicht vom Verfasser [underlined] | Über | Perlen und Perlbildung bei | Margaritana margaritifera | nebst Beiträgen | zur Kenntnis ihrer Schalenstruktur | von | A.Rubbel | (Aus dem Zoologischen Institut in Marburg) | [rule] | Marburg 1911 [cover title only]

Offprint: *Zoologischer Jahrbücher*, Jena, Abt f Anatomie, 32, 1912, p 287-366, tab 17-18,

8°; 80 p; many text fig; 2 col litho pls tip-ins at end. Pale tan wrap, cover title; print data back cover, 23.5 x 15.8 cm(9 1/4 x 6 1/4 in). Cut. USGS Kunz Coll, GS 34-692.

Cont: pref; material & methods; tab cont; biblio(p 2-5, 20 entries); text; summary; biblio(p 77-8, 34 entries); pls explan; pls.

Authoritative study of the structure of the freshwater mussel shell, the position of pearls in the shell, structure of pearl, origin of mantle pearls, etc. It is very detailed with numerous illustrative drawings in the text; Pl 2 is a magnificent full-color illustration of numerous pearls in various colors and includes curiously-shaped specimens and a typical mussel shell.

RUBENS, ALBERT(1614-1657)

Son of famous Flemish painter Peter Paul Rubens; noted antiquary & classical scholar; numerous papers on classical antiquities.

5617. -----1665

Alberti Rvbeni | Petri Pavli F. | De Re Vestiaria | Vetervm, | Praecipve | De Lato Clavo | Libri Dvo, | Et alia eiusdem Opuscula posthuma, Quorum se- | riem adversa pagina exhibet. | [engrav vignette] | Antverpiae, | Ex Officina Plantiniana | Balthasarus Moreti. | M.DC.LXV. [Antwerp, 1665]

4°: [32], 328 p; *-***^{4}, ****^{2}, A-Ss^4. Text engrav; 2 fold engrav pls; ch orn; init. 23 x 19 cm(9 1/8 x 7 1/2 in). Cut. USGS Kunz Coll, GS 34-804.

Among other treatises contains "Dissertatio De Gemma Tiberiana et Augustea," p 189-219, with two folding engraved plates of these giant cameo gems, with a text engraving (p 197) of Julius Caesar. The plates are very beautifully designed and engraved. According to Heinz Kähler in his reprint *Alberti Rubeni Dissertatio de Gemma Avgvsta*, Berlin: Gebrüder Mann Verlag, 1968, 39 p, 26 pls(part col), the publication of the work was placed in the hands of Johannes Georgius Graevius(1632-1703), who dedicated the volume to Philipp Rubens, nephew of Albert, the latter being the oldest son of Peter Paul Rubens(1577-1640) and a noted antiquary of Brussels. Furtwängler, *Die Antiken Gemmen*, 3, p 407, states that "we must mention that the great Rubens had such a lively interest in engraved gems that he not only owned a private collection, which he sold to the Duke of Buckingham, but also prepared a work on engraved gems with splendid engravings, especially of cameos, but only eight leaves with 21 gems were made ready [for the printer]." I have not seen any evidence that the work referred to reached publication.

5618. RÜCKER, von Die Marmorvorkommen Deutsch-Südwestafrikas. Afrika-Marmor-Kolonial- Gesellschaft, Hamburg. Hamburg: W.Gente, 18 p, 1910. Not seen; from P J Hugo, et al, *Biblio SWA/Namib Earth Sci* 3418.

5619. RÜCKLIN, R Das Schmuckbuch. 2 vols, text & pls. published by Der Grossherzoglichen Kunstgewerbeschule Pforzheim, Leipzig, 1901. I: xi, 264 p,241 ill in text. II: iv + 200 pls. Buckram. 29 x 22 cm. Not seen; from Thomas Heneage, London, Cat 8, 1987, no 1103.

RUDDLE, K, see SELIGMAN, D H

5620. RUDEL, AIMÉ

Richesses | Minéralogiques | En | Auvergne | par Aimé Rudel | Agrégé de l'Université | Collection "Auvergne De Tous Les Temps" | Éditions Volcans | 57, Rue Blatin - Clermont-Ferrand [1966]

8°: 176, [2]p (first 2 p blank) + blank f; maps, photos, col pls, figs. Pale green cloth, black lett on cover & spine; glossy, tinted endp with photos. 23.1 x 18.3 cm(9 1/8 x 7 1/4 in). Cut. Fr 46. JSL.

Contains a chapter, p 101-21, on amethyst and other quartz gemstones that have been found and exploited for lapidary purposes in the famous volcanic region of the Auvergne, France: history of exploitation, sites, mines, etc.

RUDLER, FREDERICK WILLIAM(1840-1915)

Brit geol & mineralogist; b London; Wales Univ Coll 1876-9; curator & librarian Mus Practical Geol London 1879-1902. Obit L J Spencer *Min Mag*, 17, 82, 1916, 368-9, also *Proc Geol Assoc* 27, 1916, 48-9.

5621. -----1877 Agate and agate-working. *Popular Sci Rev*, London, ns, 1, 1877, 23- 37, Pl 2. Mostly on agate industry of Oberstein, Germany: local agate deposits & their mining, origin of agates, lapidary treatment, Not seen: *Geol Rec* for 1877, London, p 249.

5622. -----1896

A | Handbook | To The | Museum Of Practical Geology | Jermyn Street, London, S.W. | [royal arms] | London: | Printed For Her Majesty's Stationery Office, | By Eyre And Spottiswoode, | Printers To The Queen's Most Excellent Majesty, | [rule] | Sold Only At The Museum. | [rule] | 1896.

8°: edgesewn: viii, 167, [l]p. Tan wrap, title on cover. 24.5 x 15.2 cm (9 5/8 x 6 in). Cut. JSL.

Cont: tp; pref & note; tab cont; introd; text; index; museum hours.

Excellent descriptive guide to the already very important collections and including busts of famous geologists, the Ludlam collection of minerals (strong on minerals of the British Isles), building & ornamental stones, p 15-38, other stones and ores, objects displayed on the main floors, economic collections, etc, and of particular interest to gemologists, the rough and cut gemstones displayed in the so-called "Horse-Shoe Case," in which were placed examples of diamond, jet, amber, fluorite, quartz varieties, opal, sapphire, and other gemstones, all of which are described on p 101-19. This work is prized mainly by mineral collectors for its descriptions of specimens in the Ludlam collection.

5623. RUDOLPH, A Die edlen Metalle und Schmucksteine. Mit 37 Tabellen. Breslau: 1858. Not seen; from E Kluge's *Edelsteinkunde*, 1860, p 3.

5624. RUDOLPH, WOLF & RUDOLPH, EVELYNE

Ancient Jewelry from | The Collection of Burton Y.Berry | An Introductory Catalogue by | Wolf Rudolph and Evelyne Rudolph | Indiana University [Bloomington, IN: Indiana University Art Museum, 1973, Publ 1973/1.]

8°: [2 blank], [3], xxiv, [1 blank], 247, [4], [3 blank]p; 3 text fig, 34 sketches of bead-types, 37 small text photos, 87 fullp photos(many with several objects); doublep sketch map. Unfin pale red-brown cloth, blind fig stamped on cover; gilt spine title; orange yellow endp. 25.5 x 21.6 cm(10 x 8 1/2 in). Very pale tan paper. Cut. JSL. LC & ISBN unstated.

Cont: blank f; tp; publ data; tab cont; ackn; introd; biblio(p xix-xx, 37 entries); chains & beads; cat pref; cat; index of objects & materials; map; mus personnel & mfr data; 3 blank p.

"The present catalogue is the third one in a series of handbooks describing the Burton Y Berry Collection... The history of the collections has already been referred to in the previous catalogue *Ancient Gems...*" See latter under BERRY, Burton Y.

The introduction treats metals and their sources, their working, the other materials of the jeweler, as gemstones, glass, faience, and also bone and ivory, with remarks on the significance of designs and special objects incorporated in jewelry pieces. There is also a discussion(illustrated) of necklace chains and bead-types which is of particular historical value. The catalog proper briefly describes the pieces and gives materials, dimensions, weights, place of origin, date, and references to

similar pieces in other collections. This catalog gives a good account of how gemstones and gem materials were incorporated in the pieces and what styles of cutting were adopted to prepare them for setting. Gemstones include amethyst, agate, ther quartz varieties, coral, emerald, feldspar, garnet, hematite, ivory, bone, lapis lazuli, pearl, corundum, steatite, and serpentine. The photos are poorly reproduced with blurring and poor contrast; in some, details are difficult to distinguish. On the whole, a fine, handsome production.

RUELLE, C E, see MÉLY, F

RUEUS or RUEO, FRANCISCO, recte RUE, FRANÇOIS DE LA(fl mid 16th c)
Doctor of medicine in Ryssel (Flemish for Lisle, France).

5625. -----1547
De Gemmis | Aliqvot, Iis Prae- | Sertim Qvarvm Divvs | Ioannes Apostolus in sua Apocalypsi meminit. | De alijs quoque quarum usus hoc aevi apud om- | nes percrebuit, libri duo Theologis non minus | utiles quàm Philosophis, & omnino felicioribus | ingenijs periucundi, è non uulgaribus utriusque | philosophiae adytis deprompti, Autore | Franasco [sic] Rueo Doctore | medico Insulano. | [woodcut logo, winged horse atop an elaborate caduceus] | Parisiis, | Ex Officina Christiani Wecheli, sub Pegaso, | in uico Bellouacensi. Anno | M.D.XLVII. [Paris, 1547]

8°: 183, [1]p; publ device on last p which is otherwise blank; A-M^8. This from BM(NH) copy, but Hoover Coll Cat, p 121, gives A-L^3, M^4. Ch orns & inits. 14.8 x 9.8 cm(5 7/8 x 3 7/8 in). Cropped(BM(NH) copy). The Hoover is 17 cm tall. Dewalque 462. The first edition.

Cont: tp; lauds; ltr-"epistola purgatoria;" text in 2 bks; ltr; logo.

The first edition of a work that Thorndike, *History of Magic*, 6, 306, states is "in the main... a compendium of past lore with little or nothing in the way of personal observation or classification... it is evident that his chief interest is in the virtues of gems and that he adds nothing of scientific importance to previous works." Thorndike goes on to say that Rueus' remarks on the origin of gems and their occult powers reproduced statements of Albertus Magnus *De mineralibus*, and as may be inferred from the title, "Rueus attempted to recommend his work to Christian readers by emphasizing the gems mentioned in the Apocalypse." Rueus' remarks on the creation of Earth are commented upon by F D Adams in his *Birth and Development of the Geological Sciences*, p 306, J Ferguson, *Bibliotheca Chemica*, 2, 302, is of the opinion that Rue "believed in the occult powers and actions of precious stones."

Turning to the content, the first book discusses the origin of gemstones, their special properties, and the causes to which such powers as are attributed to them are due, and cites numerous older treatises as authorities for his own statements, always stressing the ability of God to confer such powers as these stones are deemed to possess. The second book is descriptive, treating the characteristics, properties (real & imagined), etc of many gemstones, among them being jasper, sapphire, emerald, sardonyx, beryl, topaz, hyacinth, and also pearl, coral, amber, magnetite, aetites or "eagle stone," and others of non-gem ilk which were traditionally classed with mineral gemstones. Rueus also provides an interesting discussion of real versus fictitious gems. It must be emphasized, however, that while Rueus believed in the occult powers of some gemstones, he did not accept others. An extended discussion of his views is given by Thorndike, ibid, 303-6. *Hoover Coll Cat* p 121, no 508.

ssrp 5/24/06 (mf see JSL 2366 for full entry.

5626. -----1565 A revised, second edition appeared as one of the parts of Gesner's *De omne rerum fossilium*, of 1565, which see, 8°: [4]p + 85 f(v 85 blank). JSL.

For this edition, according to Thorndike, ibid, 303-4, the text was changed by the censor to delete a passage referring to the effectiveness of images carved on gems in conferring magical properties to same, and then when Rueus "wrote a longer defense of such astrological images and reply to his censor" for the present edition, most of it was omitted by Gesner "as too prolix, not in conformity with true religion, and magical." Thorndike further notes that Gesner criticized certain portions of the work where it dealt with magical powers of gemstones but that other places which presented "equally incredible virtues attributed to gems... escaped without any such criticism... and the further question may well be asked why Gesner republished the work at all."

5627. -----1566, independently published as 2nd edit
De Gemmis | Aliqvot, Iis | Praesertim Qvarvm | Diuus Iohannes Apostolus in sua Apocalypsi | meminit: De alijs quoque, quarum vsus hoc | qui apud omnes percrebruit, Libro duo: Theo | logis non minùs vtiles quam Philosophis, & | omnino felicioribus ingenijs periucundi e non | vulgaribus vtriusque philosophiae adytis de- | prompti: authore Francisco Rueo, | Doctore medico Insu- | lano. | Editio secunda, nam prima mutila, & in- | scio authore edita fuerat. | [Gesner woodcut device] | Tigvri M.D.LXVI. [Zürich, 1566]

8°: [4]p + 85 f. 15 x 9.3 cm(5 7/8 x 3 5/8 in). Cropped. USGS Kunz Coll, GS 33-272.

5628. -----1591-1596, 1608, 1622, 1626, 1629, 1652, and other issues or incorporations in other works are known. Thorndike, ibid, 306, notes, for example, that the book "nonetheless found readers, being reprinted as late as 1591-1596 and 1626, both times at Frankfurt with the work of Levinus Lemnius on herbs and trees of the Bible. It was further published in 1622 and 1652 with Vallesius on natural science in the Bible and on sacred philosophy, and in 1629 with the *Corona gemmata* of Thylesius. Thus its appeal appears to have been especially to religious and marvel-loving readers." In this connection, the Kunz Collection in the US Geological Survey Library, Reston, Virginia, contains three editions of Lemnius, each with the Rueus treatise, and all published in Frankfort in 1596(GS 33-261), 1598(GS 33-260), and 1608. The same library contains the treatise in Vallesius' *De iis qvae scripta sunt physice in Libris Sacris*, 1588, and other editions described under VALLESIUS, below.

5629. RUFF, ELSIE, pseud of Mrs GORDON GLENNIE(d 1964) Diamonds in English literature. *The Gemm*, 6, 65, 1936, 111-15; 68, 1937, 196-9; 72, 279-84; 7, 73, 1937, 512-3; 74, 615, 617. JSL. Ramblings through literature as early as Chaucer in the 15th century, thence via Mandeville, Shakespeare, Spenser, Hobbes, Robert Boyle, John Ray, and ending with excerpts from a travel account in India by John

Fryer of the 17th century. The last article states that the series will continue but it did not.

5630. -----1950

Jade Of The Maori | By | Elsie Ruff | London: | Gemmological Association | Of Great Britain [1950]

8°: [6], 89, [1 blank]p; tinted front pl tip-in; 14 fig(1 map) on 7 tip-in glossy f. Brown cloth, gold cover title; blind stamping & lett spine. Col dj, Maori workers on cover; green lett. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Cut. 10s. LC 51-28532. JSL.

Cont: blank f; front; tp; publ data; tab cont; ill list; pref; ackn; 9 chs; biblio(p 87, 30 entries); index; blank p. The glossy f bearing Fig 2 is inserted to face p 36 instead of p 32 as called for in ill list.

The indefatigable Elsie Ruff produces here a book that is "the result of patient research carried out while actually living amongst the people concerned" according to the review of B W Anderson, *J Gemm*, 2, 8, 1950, 344-7. It is all most detailed, with the first four chapters treating jade generally, with only incidental remarks concerning its use by Maoris. The last five chapters, however, are devoted to New Zealand jade and its recovery and fashioning into various objects by the natives. Topics include descriptions of lapidary techniques, kinds of objects made, properties of the materials, modern treatment and uses, and some modern finished objects made from the nephrite. The illustrations include a fine "tiki" carving in the frontispiece, a map of world jade occurrences, a jade lapidary at work, and objects made from nephrite.

5631. -----1960(?), reprint, paperback; identical but now bound in stiff white paper wrap bearing title only on front cover. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL. Both versions were printed in small number and copies are now very scarce.

5632. -----1954-1964, numerous serialized articles on jade as follow: Jade story-European. *J Gemm*, 4, 8, 1954, p 336-47, ill; 5, 1, 1955, 6-16; 3, 141-52; 5 (Jan 1956), 274-91; 8, 402-21; 6, 5(Jan 1958), 226-44. Jade story-American. Ibid, 7, 1, 1959, 18-31; 4, 141-60; 6(Apr 1960), 236-46. Jade of the East, *The Gemm*, 29, 344, 1960, 41-7, ill, to 30, 361, 151-4, or 13 articles altogether. The jade story, *Lap J*, 14, 4, 1960, 296-309, passim, ills, thence to 17, 10, 1964, 1042-51; comprising 27 parts altogether.

RUIZ ALCON, T , see STEINGRÄBER, E, 1968.

5633. RUNGE, WILHELM

Der Bernstein in Ostpreussen. | [wavy rule] | Zwei Vorträge | von | Wilhelm Runge. | [rule] | Mit einem Titelbild und 10 in den Text eingedruckten Holzschnitten. | [rule] | [rule] | Berlin, 1868. | C.G.Lüderitz'sche Verlagsbuchhandlung. | A.Charisius.

Wrap: "Sammlung gemeinverständlicher Vorträge... III.Serie. (Heft 49- 72 umfassend.) Heft 55 u.56."

8°: 70, [2 advert]p; front pl(includ in pag); 10 wood engravs in text as called for in the title but there is no Fig 7 nor 10, nor ref to either in the text. pale tan wrap, ser title on front; adverts elsewhere. 22 x 14.5 cm(8 3/4 x 5 5/8 in). Unopened. Price to series subscribers 5 Sgr, otherwise 15 Sgr. USGS Kunz Coll, GS 34-871. JSL.

Cont: front; tp; publ data; text; notes & publ data; adverts.

While the title states that there are two lectures, such divisions are not shown in the text which is actually divided into four sections, the first on methods of recovery of raw amber with detailed description of the fishing of amber from the Baltic littoral and illustrated with wood engravings of nets, spears, and other paraphernalia. The frontispiece depicts a large opencut along the seacoast as another method of reaching the "blue ground" layer in which the amber occurs. This part is also valuable for its production statistics. The second part is a historical essay on knowledge of amber in antiquity citing early references. The third section discusses the primeval "amber forest," its probable extent, geology, and the typical plant and insect inclusions found in amber. The last part treats the development of amber exploitation regulations and the amber industry from the time of the conquest of the region by the Teutonic Knights to the present, with more statistics, and with descriptions of amber processing, sorting, and cutting. An admirably concise and complete summary.

5634. -----1868 Die Bernsteingräbereien im Samlande. Berlin: Ernst & Korn, 1869, 32 p. Sep: *Zs für das Berg-, Hütten- und Salinenwesen in dem Preussischen Staate*, Berlin, 16, 1868, 224-56. Not seen, from G R v Bock, p 179.

RUNKE, S M, see THOENEN, J R, et al

5635. RUPPENTHAL, KG, A

Edle Steine | Und | Mineralien | [logo] | Pierres precieuses et mineraux | Precious gemstones and minerals [Idar-Oberstein, Germany: nd, ca 1976; title within single-rule frame]

4°: [96]p; 90 col photos(36 fullp); 5 b&w photos; tinted doublep sketch map; 1 drawing. V pale green unfin cloth, company logo on cover & spine title in green. 29.5 x 21 cm(11 5/8 x 8 1/4 in). Cut. Glossy paper. JSL.

Cont: tp; 36 fullp pls; carvings sect; mineral spec sect; gem mining sect; text; map; ill of old agate-mills with publ data.

A handsome, beautifully-illustrated publicity treatise of considerable informative value issued by the large and important firm of A Ruppenthal KG, sellers of rough & cut gemstones, gemstone objects of other kinds, and mineral specimens. They maintain a large museum-like sales establishment. The first 36 plates, printed recto, captions verso, depict a large variety of gems, beads, and jewelry cut from gemstones ranging from diamond and pearl into massive materials as jade and lapis lazuli. Objects include strings of beads, bowls, ashtrays, engraved gems, polished sections of local agate nodules, etc. These plates are followed by smaller photographs depicting many types of Western and Oriental carvings in gem materials, also mineral specimens, mining scenes, views in the Ruppenthal shops and showrooms, and are followed by a sketch map of world gemstone occurrences. The text is minimal, merely providing a few facts on gemstones in general, and with a table of gemstone properties with sources of rough, styles of cutting, stone sizes, composition, and also tables of planetary, birth and zodiacal gemstones. Captions & text in Ger, Fr, and Engl.

5636.-----1976(?)

Die Edelstein | Gravierkunst | [col photo of Atlas carving] | [logo]

[Idar-Oberstein, Ger: nd, ca 1976; title from wrap cover]

Cementb: 34, [2]p, wraps includ in pag; 19 text col photos, 3 monochrome ill. Heavy, glossy wrap, col photo on front; text & adverts inside and both back cover sides. 24 x 16.8 cm(9 1/2 x 6 5/8 in). Cut. JSL.

Splendidly illustrated brochure advertising the artistry in gem materials that is partly the stock-in-trade of the company. The text in German, French, and English describes productions of engraved gems, sealstones, carvings, cups, bottles, etc, with or without precious metal fastenings, also small flower carvings useful in jewelry piece-work and similar small carved objects. Of special interest are copies of famous Fabergé carvings that are available through special order.

5637. RUPPENTHAL, PAUL

Wasserschleifen | von | 1830 bis 1930 [Idar-Oberstein, Ger: A.Ruppenthal, nd, post 1960; introd signed by Paul Ruppenthal as author]

8°: 132 p; 93 col photos; 24 b&w ill; fold map of agate--cutting mill sites. Bright green paper over bds, white sketch & title on cover; white spine title. 23.7 x 17 cm(9 1/4 x 6 5/8 in). Glossy paper. Cut.

Cont: front; publ data; tp; introd; text; gloss; sketch; adverts; fold map.

A most interesting potpourri of information on the now-extinct water-powered lapidary mills that once dotted the watercourses of several streams in the Idar-Oberstein region of Germany. There are numerous historical & sociological comments interspersed with descriptions of the many types of lapidary projects executed in the mills, along with remarks on machinery, cutting & polishing techniques and equipment, commercial aspects, agate-dyeing, and certain highly-specialized operations as gem engraving, bead-boring, and faceting. The larger number of color photographs show displays of the many kinds of work produced by the firm of A Ruppenthal. The glossary is of particular interest because of its large number of local-dialectical/jargon terms which will not be found in other publications. A scarce work.

5638. -----1985

Paul Ruppenthal | Edelsteine- | Handel und Industrie | im Raum Idar-Oberstein | von 1923 bis 1985 | Idar-Oberstein 1985 [Idar-Oberstein: A.Ruppenthal]

8°: 555, [1 blank]p; 22 col photos; 5 b&w photos; 2 text fig; doublep tinted map; 12 facsimiles printed upon yellow grounds, many extending over more than one page. Pale blue paper over bds, yellow-tint facs & col photo on front cover with black title; black spine title. 23.9 x 16.9 cm(9 3/8 x 6 5/8 in). Cut. JSL.

Cont: tp; publ data; tab cont; text; 25 appends; blank p.

A remarkable, very thorough historical treatment of the famous lapidary industries of the Idar-Oberstein region of Germany; it is by far the most detailed and useful work of this kind to appear in print, being encyclopedic in scope and embracing many aspects of the trade from procurement of rough to processing to final dispersal of finished products throughout the world. The first part of the text is historical, paying much attention to a previous history by Dr Ernst Falz of 1926, which see, and on this work as a foundation, Ruppenthal provides continuations of history for the periods 1923-29, 1929-48, 1948-60, and 1960-85 which he regards as epochal. There are interesting color photographs of various lapidary operations and tinted facsimiles of Ruppenthal advertisements and letters and also a short chapter on the searches conducted by local gem experts in various foreign countries to obtain cutting rough. Additionally, several short chapters, up to p 144, discuss social and political matters which affected the industry. The second part consists of 25 appendices covering such topics rules & regulations, export, tariffs, schools & apprenticeships, local organisations & unions, international trade agreements, principal world gem-trade centers, a glossary of old & new gem-trade & gemological terms (which is exceptionally complete), a glossary of commercial terms, conventional gem cutting styles(illustrated), major world mineral & gem collections, descriptive analyses of gemstones from the diamond to numerous quartz varieties and specialty stones of all kinds, including pearls and organics, mineral specimens, cut rare gem species, beads, necklaces, etc, and all with listings of qualities, sizes, and standard current prices, the last therefore forming what amounts to a large priced catalog of Ruppenthal offerings. The remainder of text provides short glossaries of healing, protective, Biblical, allegorical (Middle Ages), moralistic (ex Hildegard von Bingen), anthroposophic, zodiacal, monthly, and planetary stones, ending with a 2-page spread of world gemstone occurrences. Altogether a most valuable reference but seriously diminished by lacking an index and a bibliography.

5639. RUSKA, JULIUS(1867-)

Das | Steinbuch Des Aristoteles | Mit Literargeschichtlichen Untersuchungen | Nach Der | Arabischen Handschrift Der Bibliotheque Nationale | Herausgegeben Und Übersetzt | Von | Dr.Julius Ruska | Privatdozent An Der Universität Heidelberg | [logo] | Heidelberg 1912 | Carl Winter's Universitätsbuchhandlung

8°: VI, [1], [1 blank], 208 p. Pale buff printed wrap, title on cover; adverts back cover. 23.4 x 15.8 cm(9 1/4 x 6 1/4 in). Cropped. BM(NH) Libr.

Cont: tp; press data; dedic; fwd; tab cont; 4 chs.

A translation and intensive study of an Arabic manuscript lapidary in the National Library, Paris, and comparison with mss in Hebrew and Latin of similar treatises preserved in other libraries. While the supposed author is said to be "Aristotle" it is clear that the writing cannot be attributed to him but to an unknown author who derived his information from ancient Greek sources. The substance of the lapidary is compared by Ruska to that contained in Theophrastus' *Peri lithon* and the mineralogical matter in Dioscorides, along with other comparisons to writings of the Alexandrian School, the gem book of Teifaschi, and that of Mohammed Ben Mansur. An important section provides a description of the stones from the lapidary of Al-Kazwini. The mss studied by Ruska is Codex Paris 2772 and its translation appears on p 126-82, embracing 72 stones, among them, pearl, emerald, garnet, carnelian, malachite, bezoar, diamond, turquoise and lapis lazuli. See Thorndike, *History of Magic*, etc, 2, 260-2 for discussion of this work which is only a small portion of his entire chapter devoted to Pseudo-Aristotle, p 246-78.

A bookseller's catalog of 1958 offered what may be the first appearance of the present work under the title *Untersuchungen ueber das Steinbuch des Aristoteles*, Heidelberg: Carl Winter, 1911, 92 p, wrap.

RUSKIN, JOHN (1819-1900)

Brit art critic, connoisseur, author, philanthropist; b London; stud Oxford U; noted mainly for his writings on sociological and art subjects. So many biographical articles & books were published on him that no extended comment is made here except upon his strong geological interests and the not inconsiderable matter bearing on same that came from his pen. Even the extensive article in *Dictionary of National Biography*, approx 22 double-column pages, only mentions in passing his interests which included geological studies of mountains, mineralogy, formation of agates, and collecting mineral specimens, especially varieties of quartz, the last being a lifelong pursuit. Also, rather surprisingly in view of his close relations with Ruskin, his major biographer, W G Collingwood, *The Life and Work of John Ruskin*, 2 v, 1898, had practically nothing to say of this side of Ruskin's interests and writings. However, in 1903, he published his *Ruskin Relics*, London, Isbister & Co, wherein he rectifies this omission to some extent by inserting a chapter, entitled "Ruskin's Jewels," p 167-78, largely on Ruskin's mineral collecting activities and specimens, and inserting therein several drawings by Ruskin of native gold & silver, etch pits on diamond, etc. Much more of Ruskin's earth science interests are treated in long passages in the introduction, p xvii-lxviii, of E T Cook & A Wedderburn's splendid and unsurpassed *The Works of John Ruskin*, v 26, 1906. This is the only place where I found a critical appraisal of Ruskin as a geologist, mineralogist, collector, and writer in this area of knowledge. To the credit of Cook, who wrote those remarks, due weight is given not only to the importance of the writings but how much they were valued by Ruskin himself. Cook makes it plain that Ruskin wanted to be recognized as a competent geologist despite his lack of formal schooling in the subject, but as we are constantly made aware, the world of his time constricted him to the role of art critic and sociological observer and almost completely ignored his considerable achievements elsewhere. Cook also discusses the unfortunate propensity of Ruskin to criticize the scientific community which undoubtedly confirmed in its members the view that Ruskin was a dilletante and his writings and opinions not to be taken seriously. A work entitled *The Bibliography of Ruskin*, etc(From 1834-1881), 5th edit, London, Elliot Stock, nd, lists most of Ruskin's geological/mineralogical works but omits the collection catalogs described below; it is not included in Kirk H Beetz's *John Ruskin: A Bibliography*, 1900-1974, Metuchen, NJ, The Scarecrow Press, 1976.

5640. -----1867 On banded and brecciated concretions. *Geol Mag*, 4, 38, 1867, 337-9; 41, 481-3; v 5, 43, 1868, 12-8; 46, 156-61; 47, 209-13; v 7, 66, 1869, 529-34; v 7, 67, 1870, 10-14; 7 pls. Of these, two plates were later used in *Deucalion*, namely, "mural agates" and "amethyst-quartz." Later issue in brown wrap; these and other details may be found in Cook & Wedderburn, vol 26, 1906, p[36], see below, which reprints the above in all its parts, p [35]-84, complete with the 7 plates, tissued, tip-in, one plate in gray tones, another in full color, and the remainder in bluish or purplish tones, all of very high quality. There are also a folding, tip-in facsimile of an original ms page and 25 text figs.

This is one of Ruskin's most important studies of the finer structures and growth features observable in igneous or metamorphic breccias, and to a lesser extent in sedimentary rock breccias. Also provided are discussions of "concretions" by which term Ruskin refers to nodular mineral accretions as well as hydrothermal vein deposits which show banding or brecciation. Most of the specimens examined are varieties of chalcedonic quartz. The superbly-done illustrations are from Ruskin's hand.

5641. -----1877-1886 Catalogue of minerals in St.George's Museum, Sheffield (1877- 1886). In: Cook & Wedderburn, vol 26, 415-56. The "bibliographical note," 416-7, states that this catalog "has never been published, in the sense of being placed on sale with Ruskin's works. But copies of it in both the forms here described have been in private circulation. They are among the rarest of Ruskiniana." A first and second edition are described. Virtually all of the text is a descriptive listing of quartz specimens donated to the collection, these being divided into 8 classes: flint, jasper, chalcedony, opal, hyalite, crystalline quartz, amethyst, and agate. A few other specimens are described under chemical classes, ie, rutile in quartz as "Substance II. - Oxide of Titanium," also oxides of iron, alumina(sapphire & ruby), potassa(glass with exsolved inclusions), sulfur, several quartzites, etc, under the class of "Geologic Series." Cook & Wedderburn give historical notes on the museum, ibid, Introduction.

5642. -----1879

Deucalion. | Collected Studies | Of The | Lapse Of Waves, And Life Of Stones. | By | John Ruskin, D.C.L., LL.D., | Honorary Student Of Christ Church, Oxford; And Honorary Fellow Of | Corpus Christi College, Oxford. | [Greek quot, 2 lines] | Volume I. | George Allen, | Sunnyside, Orpington. Kent. | 1879. [in 2 vols, separately described]

8°: vi, 290 p; 7 tip-in engrav pls(4 col, several hand-col); 5 fig. Originally issued in parts, also in the parts temporarily bound in gray publisher's bds, with small printed label on spine. 22.5 x 14.3 cm(8 7/8 x 5 5/8 in). Cut. Dimensions among parts not uniform; some plates supplied with paper guards. JSL.

Cont: 1/2tp; front pl with guard; tp; publ data; tab cont; introd; 14 chs; append; index.

W G Collingwood, Ruskin's biographer, writes that Deucalion "was begun as a companion work [to *Proserpina*]; to be published in parts, as the repertory of Oxford lectures on Alpine form, and notes on all kinds of kindred subjects"(*The Life*, 1893, p 467 ff). In these essays Ruskin wished to make life out of the inanimate and therefore chose the title "Deucalion" in reference to the Greek mythological character who, upon the advice of the Delphic Oracle on how to repopulate Earth whose inhabitants had been destroyed by a flood sent by the angry Zeus, was told to cast stones behind him, those from his hand turning into males, those from his wife's hand, into females. Ruskin's considerable knowledge of geology and mineralogy is glimpsed in several of the essays, notably that in Ch 7, entitled "Iris of the Earth," p 97-139, which deals with "the symbolic use of colours of precious stones in heraldry," but rambles on to include much interesting matter on agates. It is accompanied by a handsome and very realistic engraved plate depicting two fortification agates rendered in delicate shades of grayish-blue. Ch 9, "Fire and water," 152-70, deals in part with the formation of chalcedony and several of its varieties. Ch 11, "Of silica in lavas," 190-203, is also on chalcedonies as occurring in basalts and other volcanic rocks. Lastly, Ch 13, "Of stellar silica," 238-46, is again on chalcedony and its formation. While a little is said in Ch 8 on gemstones, it is more remarkable for another exquisite plate, of three specimens of amethyst with quartz.

5643. -----post 1879(?) I have seen this only bound up with the first volume and without a titlepage; however, other reprint editions indicate that a titleleaf was provided, like that for the first volume, but indicating "Volume II." 8°: 88 p, 10 pls(4 engrav, 6 actual photo prints); 2 fig. Allibone, *Suppl*, 2, 1304, notes "Deucalion... Parts I.-VIII. Orpington, 1875-73." The earlier date may indicate issuance of parts prior to the date of collected versions. Other references indicate that Parts I-VI were issued with dates of 1875(I,II), 1876(III,IV), 1878(V), 1879(VI), and Parts VII-VIII in 1880, 1883(Wise, 210). Cook & Wedderburn provide a a complete summary of the publication history, vol 26, 89-92, including the appearance of first parts. They state that portions were "first delivered and (in some cases) printed as lectures" but the book itself first issued in parts. Volume 2 remained incomplete, having only parts 7 and 8, and

DEUCALION.

COLLECTED STUDIES

OF THE

LAPSE OF WAVES, AND LIFE OF STONES.

BY

JOHN RUSKIN, D.C.L., LL.D.,

HONORARY STUDENT OF CHRIST CHURCH, OXFORD; AND HONORARY FELLOW OF CORPUS CHRISTI COLLEGE, OXFORD.

ἐπειὴ μάλα πολλὰ μεταξὺ
οὔρεά τε σκιόεντα, θάλασσά τε ἠχήεσσα·

VOLUME I.

GEORGE ALLEN,
SUNNYSIDE, ORPINGTON, KENT.
1879.

5642. To Ruskin's chagrin, his writings on geological and mineralogical subjects were almost completely ignored as was this treatise containing much on the chalcedonic forms of quartz

only issued in book form. Deucalion parts appeared in pamphlets, each with own titlepage, 8°, pale gray or light buff wrap, with title enclosed in double-rule frame, reproduced on front wrap. Parts 1-7, comprising the first volume, were issued in book form in 1882, in mottled gray paper bds, with a white paper label on spine. Subsequently this volume was issued in green cloth. Price 15s reduced in 1900 to 10s. All parts also appeared in unauthorized American editions.

5644. -----1883

Catalogue | Of The | Collection Of Siliceous Minerals. | Given To And Arranged For | St.David's School, Reigate. | By | John Ruskin, | Honorary Student Of Christ Church, Oxon, | Honorary Fellow Of Corpus-Christi College, Oxon, | And | Slade Professor Of Fine Art, Oxon. | [rule] | MDCCCLXXXIII [np, signed "Brantwood, 27th February, 1883"]

8°: [2], 49, 1 blank p; pale tan,print wrap title on front with floral orn and in double-rule frame. 22.4 x 14.5 cm(8 7/8 x 5 3/4 in). Cut. JSL.

Cont: tp; catalog; blank p.

Descriptive catalog of 93 specimens plus "flint-fossil" specimens(nos F 12 to F 23); mainly quartz varieties as flint, agate, chalcedony, moss agate, mocha stone, chrysoprase, jasper, quartz crystals, opal, and several specimens of gold in or on quartz as well as nuggets and flakes. No dimensions given while localities, when given, are unspecific or qualified. Ruskin's fondness for flowery descriptive language is apparent in many entries. Curiously, and for reasons perhaps based upon personal experiences, and despite never having visited either Australia or America, he makes derogatory remarks on specimens from these continents though it is apparent that his disdain was not sufficiently developed to prevent him from acquiring specimens from both. On p 9, for example, when speaking of chrysoprace[sic], he states "found, I believe, only at one place in Europe, and is extremely respected by me because it is found nowhere in America."

At this point I insert remarks on the dispersal of Ruskin's private collection, taken from Ward's Natural Science Establishment, Rochester, New York, advertisement on the back wrap of *The American Mineralogist*, 10, 8, 1925: "John Ruskin's Love of art and nature made him a wildly enthusiastic lover of minerals. He collected them from Boyhood and gave specimens to no less than fifteen British institutions. (The magnificent large yellow Diamond octahedron which he gave to the British Museum is probably the finest Diamond anywhere on public exhibition)*. He passionately loved his special favorites and kept them at his home, "Brantwood," on Coniston Lake, Lancashire. In 1923 these minerals were purchased from Mrs.Severn, to whom he bequeathed them, by a friend of ours from whom we bought a considerable number of the best of them." Cook & Wedderburn, p 488 state that this catalog was issued for private circulation and appeared in two stages, the first edition, described above, being followed by another in which a number of slight changes were made; these are listed on p 488-90 while the entire catalog in its second edition is reproduced on p 487(title), 491-513. [*Subsequently stolen and never recovered.]

5645. -----1884 Of the distinctions of form in silica. Cook & Wedderburn, ibid, vol 26, 371-91. "Read before the Mineralogical Society, July 24th, 1884" and with abstract in *The Mineralogical Magazine*...vol.6, 1886, p.i-ii, here reproduced. It is further noted that "the paper was published by Ruskin... as Chapter I. in Part I. of *In Montibus Sanctis*" 1884. Describes primarily the cryptocrystalline varieties of quartz, suggests varietal names, speculates on origin & growth patterns, and in a ps presents four "principles" governing origin of agates and contortional textures in metamorphic rocks, along with miscellaneous remarks.

5646. -----1884

Catalogue | Of | A Series Of Specimens | In The | British Museum (Natural History) | Illustrative Of The More Common Forms Of | Native Silica. | Arranged And Described By | John Ruskin, F.G.S., a Honorary Student Of Christ Church, Honorary Fellow Of Corpus Christi | College, And Slade Professor Of Fine Art, Oxford. | George Allen, | Sunnyside, Orpington, Kent. | 1884.

8°: viii, 29, [2 blank]p. Pale tan wrap, title on cover enclosed in double-rule frame. 22.3 x 14.3 cm(8 3/4 x 5 5/8 in). Cut. JSL.

Cont: 1/2tp; tp; print data; pref; cat; ps; blank f.

The flowery language previously referred to is here apparent in the descriptions of the 134 specimens comprising this catalog, but despite lacking the precision of accepted descriptive terms in mineralogy, and with interesting digressions, the result is adequate and pleasing. Some especially noteworthy specimens are drawn to the attention of the reader in the postscript. Ruskin's fondness for chalcedonies is also obvious, particularly the banded agates which for him proved sources of endless fascination, also the mottled jaspers in whose patterns he discovered a "natural" sort of design, both intriguing in complexity and beautiful overall. Some specimens are rough, some polished; sources are given for most of them. Cook & Wedderburn, ibid, 26, 396, note that this catalog was issued in September 1884 at the price of one shilling in 1,000 copies.

5647. -----1884 Catalogue of familiar minerals in the Museum of Kirkcudbright (188). Not seen, in Cook & Wedderburn, ibid, 26, 457-86. "This Catalogue of minerals, presented by Ruskin in May 1884, was first printed in the *Kirkcudbright Advertiser*, 1884," in various issues from May 1 to August 1, and then was printed in pamphlet form, without title, in 8°, paper wraps, 59 pp., and "is among the rarest of Ruskiniana." Two hundred specimens were donated to form this collection, including native gold, silver, copper, and tellurium (nagyagite), a group of the "red sulphurets" of silver(proustite and pyrargyrite), then argentite, and other sulfides and sulfosalts of lead, antimony, etc, followed by a group of hematites, malachites,etc, and specimens of crystalline and cryptocrystalline quartz, also fluorite, calcite, and others.

5648. -----1903-1912 The library edition of the works of John Ruskin. 39 vols, edited by Edward Tyas Cook and Alexander Wedderburn, London; George Allen, 1903-1912. Letters by John Ruskin are included. Not seen, from No 55, p 7, in Kirk H.Beetz, *John Ruskin: A Bibliography*, 1900-1974, Metuchen, N.J., 1976. The New York edition described below is No 142 in the catalog, p 14.

5649. -----1906

Library Edition | [rule] | The Works Of | John Ruskin | Edited By | E.T.Cook | And | Alexander Wedderburn | [logo] | London | George Allen, 156 Charing Cross Road | New York: Longmans, Green, And Co. | 1906 [title in red & black] [Only vol 26 described below with series title & vol title]

Deucalion | And Other Studies | In | Rocks And Stones" | By | John Ruskin | London | George Allen, 156, Charing Cross Road | New York: Longmans, Green, And Co. | 1906 [title in red & black]

8°: lxviii., 605, [1]p; col front pl(prec opal) tip-on to thick dull green leaf with tissue gd; 23 other tip-in pls, some tissued, some tinted, some colored, some in photogravure; 46 text fig; 2 facsimiles. Dk red buckram, gold logo on cover, gold spine title. 24.5 x 16.5 cm(9 5/8 x 6 1/2 in). Uncut, untrimmed, or deckled edges. P [ii]: "Two thousand and sixty-two copies of this edition - of which two thousand are for sale in England and America - have been printed at the Ballantyne Press, Edinburgh, and the type has been distributed."

Cont: 1/2 ser tp; limit edit note; front; ser tp; publ data; 1/2tp; tp; tab cont; ill lists; introd; text; indexes; logo.

P xvii: "this volume collects Ruskin's writings on Geology and Mineralogy." The principal work is Deucalion, supplemented by papers on Alpine formations, seven papers on banded and brecciated concretions, another on forms of silica, and several catalogs of mineral collections as well as a hitherto unpublished "Grammar of Silica". Several minor pieces are collected in the appendix. The entire volume, like its fellows in the series, is a handsome, sturdy production, tastefully designed, and made from long-lasting materials. It reproduces many original illustrations, some in color, from *Deucalion*, and other tracts. The frontispiece, after an original waterolor by Ruskin, is of bluish precious opal in brown ironstone matrix and both realistic and effective in suggesting translucency and color play in this Australian specimen. A most valuable feature of this volume is the perceptive and helpful remarks of the editors, especially Cook, concerning both Ruskin's interests and his accomplishments in geological writing and study. Far overshadowed by his contributions in other fields, he nevertheless must be recognized as one of the most important early writers on members of the quartz family minerals, especially the chalcedonic varieties.

5650. RUSSELL, EDMUND

Jewel Don'ts | [orn] | By | Edmund Russell | [orn] | ...[2 quots]... | The | Bramerton:: | Publishing C°. [np: 1895; other floral orns on titlep, all enclosed in double-rule frame]

Edgestapled oblong: [2 blank], [2], 101, [1 blank]p. White, glossy wrap, title, photo, orns in brown & green on cover; similar ill orn back cover. 14.5 x 23.7 cm(5 3/4 x 9 3/8 in). Cut. Also issued in pale red cloth, brown orns & title on cover; tan, patterned endp; glossy wrap bound-in; sewn gatherings. USGS Kunz Coll.

Cont: blank f; tp; publ data; text; blank p.

All sorts of information on jewelry & gems, including several news clippings and anecdotes along with the "don'ts" which state, for example, "don't wear diamonds with red satin." Printed on badly browning, severely embrittled paper so poor in quality that it is doubtful if more than several copies survive.

5651. RUSSOV, S Slovar zhemchuzhnyie, ili opisanie mest i vod, na prostranstve Rossii nakhodyashchikhsya, v koikh lovitsya zhemchug. St.Petersburg, 1829, 36 p. On freshwater pearl mussels and their pearls. Not seen.

RUTLAND, ERNEST HUGO(1908-1975)

Brit civil servant, later in life becoming a jeweler & gemmologist; educ Manchester Grammar School, MA Cambridge Univ, later PhD in statistics; stud gemmology Chelsea Polytech, London; with C M Sprague won Tully Medal of Gemm Assoc Gt Brit; designed for Rayner's of London a pocket polariscope; transl H Bank's *From the World of Gemstones*, 1971. Obit: *J Gemm*, 14, 6, 1975, 301-3; *Zs d Dt Gemm Ges*, 25, 2, 1976, 115.

5652. -----1974 An introduction to the world's gemstones. London: Country Life, 1974. £3.50. Rev by M J O'Donoghue, *J Gemm*, 14, 4, 1974, 195-6, "deserves a wide circulation." Not seen.

5653. -----1974, Garden City edit

An introduction to the world's | Gemstones | E H Rutland | Doubleday & Company, Inc. | Garden City, New York [1974]

8°: 192 p; the title photo is spread over 2 pages; 51 col photos; 1 col diagr; 94 other photos; 36 diagrs & drawings.

Pale brown cloth-like paper over bds, gold spine title. Pale tan endp. Col dj, col photo of rough & cut gems on cover; carved jade back cover; resume, vita. 25.9 x 19.3 cm(10 1/4 x 7 5/8 in). Cut. $14.95. ISBN 0 600 33925 4; ISBN (Doubleday) 0-385-05191-3; LC 73-19294. JSL.

Cont: 1/2tp; tp; dedic & ackn, publ data; tab cont; text; data tab; biblio(p 187-8, 47 entries); ackn; gloss; index.

A general treatise aimed at the general public and offering much that is interesting but little that is not already available in other publications. After defining gemstones and outlining their place in civilization, the text discusses gemstone deposits, mineralogy, synthesis, properties and other information on the individual species & varieties(the largest part of the work), lapidary & jewelry arts, and uses of gemstones with history and lore and advice to collectors. The data table provides physical properties for a large number of species. A good feature is the use of many photographic illustrations, a large number in color but muted in clarity due to the paper surface. While largely accurate the text is not free of errors or misleading statements, eg, corundum is "largely [used as] an ore of the metal aluminium," and crystals "form shapes which are unique to each mineral species." Mistakes are also prevalent in places where references are made to North American gemstones despite the availability of Sinkankas' *Gemstones of North America* which corrects many of the older erroneous localities. Rev R G Hunt, *Gems*, 11, 1, 1979, 47-8; *Austral Gemm*, 12, 6, 1975, 189. Obit: B W Anderson, *J Gemm*, 14, 6, 1975, 301-3.

RUTLAND, E H, see BANK, H, 1973

RUTLEDGE, F A, see HEIDE, H E, et al

5654. RUTTEN, MARGUERITE Cylindres et légendes inédites. *Rev d'Assyriologie et d'Archéologie orientale*, 13, 1916, p 5-26. Not seen.

5655. RŮŽIČKA, PRIMUS Diamant. Zprávy Výzkumného Ústavu pro Minerály v Turnově, Turnova, Czechoslovakia, 4, 2, 1955, p 1-128. In Czech with Engl, Russ, Ger summaries, Not seen. "The problems of genesis and the conditions for the growth of certain crystal forms of diamond are discussed along with discussions of physical properties which appear to bear upon the problem. Detailed data are furnished on diamond as a technical raw material in a variety of uses."

5656. RYAN, A H The week end rock hound. $1.95. Copyright 1970, by ATR Enterprises, Prescott, AZ 86301. Center-stapled: 106, [1], [1 blank]p, 14 photos, 13 sketches. Stiff paper wrap, title & sketch in red & black on cover. 21 x 13.6 cm(8 1/4 x 5 3/8 in). Cut. JSL. Highly informal, amusingly written advice to the beginner on how to start collecting and cutting gemstones, methods of lapidary work, and making jewelry. Describes several common gem materials and how they are cut.

5657. RYBAKOV, B A , edit

Treasures | In The | Kremlin | [rule] | Peter Nevill · London | Artia · Prague | F.L.P.H. · Moscow [1962; title in red & black]

8°: 127, [1 blank]p + fold "list of plates" tip-in; 120 col text photos. White, unfin cloth; large gold scroll design on cover, gold spine title. Col dj, photo of coach detail on cover with title; col photo of fretwork back cover. Dk magenta endp. 31 x 26 cm(12 1/8 x 10 1/4 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; introd; text; notes on pls; pls list.

Many fair-quality colored photographic illustrations are used to describe selected treasures in the Kremlin Armory in Moscow as armor & weapons, regalia, gold & silver pieces, decorative harnesses & coaches, ancient fabrics & costumes, and ambassadorial gifts to the Tsarist court. Rybakov's introduction provides a brief history of the several Tsars under whose reigns the treasures were accumulated, and also gives a history of the Armory itself. Gemstones and jeweled objects appear mainly in the section devoted to regalia while a few Fabergé pieces are included in the section on gold & silver pieces. Probably this work was published in Russian and Czech versions.

5658. RYBAKOVA, B, editor

Sokrovishcha | Almaznogo Fonda SSSR | [dot] | Treasures Of The USSR | Diamond Fund | [dot] | Les Joyaux | Du Fonds Diamantaire | De L'URSS [Moskva: Sovetskiy Khudozhnik, 1967; title in pale gray]

4°: 22, [2]p + [68]f; front col photo + 68 others(1 fold cut-out & mounted). White & ivory brocaded unfin cloth, a gold square on cover; gold spine title. Mbled gold endp. Black dj with photo of cut diamond on cover & white title; white spine & black title; back cover bright orange. 26.8 x 20.9 cm(10 1/2 x 8 1/4 in). Cut. Supplied in plain turquoise-blue slipcase, cut diagonally across to expose a corner of the book. Marker ribbon. Ae gilt but by painting, not rubbing! 16r 25k. Press run 5,000. JSL.

Cont: ser tp & publisher; front; tp; subtitles & names of contribs; 3 prefaces in Russ, Engl, Fr; catalog & col illust; gloss(Russ only); publ data.

Catalog of the important objects in the Soviet Diamond Fund, mostly of items formerly in the Tsarist treasury. The preface recounts the history of the treasure and its augmentation by "particularly outstanding jewelry made of gems and precious metals as well as a large number of unrivalled diamonds [modern] from Soviet diamond fields." Not much is said about how the treasure accumulated during Tsarist regimes but much is said about the relatively recent discovery and mining of diamonds in Siberia, apparently this last being politically a more palatable topic for discussion. It is noted that the collection was put on public display in the Hall of Columns in the House of the Trade Unions(!) in Moscow in 1924. The items are described, dimensions given, but with remarks, unfortunately, only in Russian, upon pages facing the colored photographs. On the whole the illustrations are of good quality and some are very good. At the beginning, these are of jewelry pieces, then crown jewels, one being the scepter holding the Orlov diamond, royal badges & orders, the Shah diamond (showing its distinctive Arabic engraved calligraphy), a superb stepcut emerald of 136 carats mounted in a diamond-decorated jewel, a 258 carats oval faceted sapphire, then a series of native gold specimens, the largest nugget being 36,016 grams, the largest world platinum nugget of 5,918 grams, and other gold nuggets. A series of illustrations depict native diamonds from the pipe deposits of Yakutia, mostly being well-form octahedral crystals, also cut diamonds and gems, manufactured in the USSR, precious opal cabochons, and lastly, several modern Soviet military orders and jewelry pieces. A valuable record of the status of the Diamond Fund.

RYERSON, KEVIN, see GURUDAS

5659. RYERSON, KATHLEEN H

Pequot Handbook No.3 | Rock Hound's Guide | to Connecticut | By Kathleen H.Ryerson | The Pequot Press, Inc. | Stonington [logo] Connecticut [1968]

Centerstapled: [3], [1 blank], 60 p; 17 sketch maps. Pale greenish-blue wrap, dk sepia title on cover; advert inside front cover. 17.7 x 11.5 cm (7 x 4.5 in). Cut. LC 68-24037. JSL.

Includes gemstone deposits.

5660. -----1972, rev edit

Rock Hound's | Guide to | Connecticut | By Kathleen H.Ryerson | Revised Edition | The | Pequot | Press | Old Chester Road, Chester, Connecticut 06412 [1976]

Cementb: [3], [1 blank], 60 p; same maps. Pale gray wrap, sketch of specimens on front; back cover resume; spine title. 17.8 x 11.3 cm(7 x 4 1/2 in). Cut. LC same, JSL.

If revisions were made I could not find them.

5661. RYLEY, ARTHUR BERESFORD

Old Paste | By | A.Beresford Ryley | With Twenty-Eight Plates | Methuen & Co. Ltd. London [1913]

4°: x, [1], [1 blank], 99, [1]p; tip-in col front pl with tissue + 27 other tip-in photo pls, all on glossy paper. Light purple buckram, gold title & pendant jewel on cover with gold single-rule frame; gold rules on spine. 31.8 x 26.3 cm(12 1/2 x 10 3/8 in). Teg, others untrimmed. 42s. JSL.

Cont: 1/2tp; other publ bks; front; tp; publ data; tab cont; ill list; text tp; 10 chs; biblio(p 93-5, 78 entries); index; print data.

The most authoritative treatise on the use of glass pastes in imitation-gem jewelry. Ryley's treatment makes no apologies for the obvious falsity of the gems but takes them on their own not inconsiderable merits. The use of paste began in antiquity, as pointed out in the first chapter, which chapter also remarks on the nature of pastes, the methods by which they can be distinguished from real gems, and the uses of paste throughout recorded history. The remaining chapters chronologically describe pastes as manufactured and applied to ornament from the most ancient recorded times to the present, The color frontispiece depicts the Bonus Eventus plate made from a paste simulating lapis lazuli; the other plates picture many small ornamental objects in which paste is used in lieu of genuine stones. Rev *The International Studio*, 52, 208, 1914, 339-40.

RYNERSON, FRED(1882-1960)

Early explorer & miner of gemstone deposits in San Diego County, Calif; biogr note by R S Mitchell, *R & M*, 59, 3, 1984, portr; rynersonite, a rare-element oxide,is named after the family in honor of their mining activities.

5662. -----1967

Exploring And Mining | For Gems And Gold | In The West | 54 Years Of Prospecting, Digging And Gem-Cutting | By Fred Rynerson | Copyright 1967 by Naturegraph Co. | Dedication And Appreciation | I dedicate this book to my wife, Beulah Bonfoey Rynerson, and | my old-time friends, dead or alive, who were in the gem mining | or lapidary business in San Diego County, California from 1901- | 1925. | Naturegraph Company, Publishers, Healdsburg, California 95448

P iii: "I have left this manuscript... almost as he left it a year before he died... I was obliged to shorten the paragraphs here and there and give more directness to the action, so as to meet the conditions of the publishers and make the whole more readable. The manuscript was written from memory largely; although he took notes and kept a running account of the various experiences, and of his associates from day to day... Beulah Rynerson."

Cementb: iv, 204 p; 60 text photos & sketches. Wrap with col photo Calif gemstones on cover with title; back cover vita & portr photo, other publ bks. 21.6 x 13.3 cm(8 1/2 x 5 1/4 in). Cut. Also in brown buckram, with the paperback front cover sheet pasted to the cover cloth; white lett spine.$3.75 paper; $5.50 cloth. JSL.

Cont: tp; tab cont; introd; pref; note on gem formation; 36 chs.

A valuable historical record spanning the period from the first serious exploitation of gemstone deposits in San Diego County(and partly into adjoining Riverside County) around the turn of the century to about 1936 when for all practical purposes gemstone mining ceased. Later the author acquired the San Diego mine, adjacent to the famous Himalaya mine, Mesa Grande district, San Diego County, and with his son worked this mine until his demise. The mine is still being worked by the son. The author's familiarity with the gem mines and their owners and operators throughout the most active period of exploitation, coupled with a high order of intelligence and a vast accumulation of practical knowledge on gem-bearing granitic pegmatite bodies in which the gemstones occur, makes this work permanently of value. More information on the San Diego mine is contained in FOORD, E E, which see. Rev *G & G*, 12, 9, 1968, 290.

RYZIGER, F, see GALIBOURG, J

5663. RZEHAK, A Über die von Prof. Weinschenk als Tektite gedeuteten Glaskugeln. *Zs des Mährischen Landmuseum*, Brünn, 12, 1, 1912, 40-75. Not seen.

SAAR, H, see LIEBER, W, 1970

SABINA, ANN P

Canad mineralogist, econ geol, GSC; instructor in gemm Carleton U; numerous publications, esp guides to mineral & gemstone collecting localities throughout Canada, as described below.

5664. -----1963 Rocks and minerals for the collector: Sudbury to Winnipeg. *GSC Paper* 63-18, 1963. Centerstapled: [1], [1 blank], iii, [1 blank], 69 p, text 24.5 x 16.5 cm(9 5/8 x 6 1/2 in). $.75. Print wrap. JSL. The first of the series; treats rocks, minerals, gemstones, with brief accounts of geological history of formations and/or locales, type deposits, mineralogy, what is worthwhile collecting, and where it is to be found. There are specific directions: road logs, routes, trails, etc. Some firsthand information, much otherwise gathered from reports of others, all referenced.

5665. -----1964 Bay of Fundy [Nova Scotia] Area. GSC Paper 64-10, 1964. Edgestapled: vii, [1 blank], 96 p; 8 pls, map. $.75. JSL.

5666. -----1967 Eastern townships and Gaspé. Quebec; and parts of New Brunswick. *GSC Paper* 66-51. Edgestapled: xii, 170 p, 13 figs(maps), 16 pls. $2.90. JSL.

5667. -----1968 Kingston, Ontario to Lac St.Jean, Quebec. *GSC Paper* 67-51. Edgestapled: xii, 147 p, 8 maps, 14 pls. $2.00. JSL.

5668 -----1969 Buckingham - Mont-Laurier - Grenville, Quebec; Hawkesbury - Ottawa, Ontario. *GSC Paper* 68-51. Centerstapled: viii, 107 p, 9 maps; front photo, 11 pls. $2.00. JSL.

5669. -----1970 Hull-Manikawi, Quebec; Ottawa - Peterborough, Ontario. *GSC Paper* 69-50. Edgestapled: x, 177 p, 10 maps, front photo, 17 pls. $2.00. JSL.

5670. -----1972 La Ronge - Creighton, Saskatchewan; Flin Flon - Thompson, Manitoba. *GSC Paper* 71-27. Centerstapled: vii, [1], 100 p, 13 maps, front photo, 16 pls. $2.00. JSL.

5671. -----1976 The Magdalen Islands, Quebec, and the Island of Newfoundland. *GSC Paper* 75-36. Cementb: [10], 199 p; 18 maps, front photo, 40 pls. $3.00.

5672. -----1964 Rock and mineral collecting in Canada. Vol I, Yukon, Northwest Territories, British Columbia, Alberta, Saskatchewan, Manitoba. *GSC Misc Rpt* 8, 1964. Cementb; [4], 147, [1 blank]p; 28 maps, 10 photos on 4 bound-in & tipped-in glossy f. Stiff, print wrap, photo on cover. 17.7 x 12.7 cm(7 x 5 in). Cut. $1.30. JSL. First in a series of small-size guides for mineral & gemstones collectors: type deposits, historical notes, geological settings, mineralogy, references, and with specific lead-in instructions.

5673. -----1964 Vol II. Ontario and Quebec. [4], 252 p; 2 outline maps, one tipped-in; 46 other maps, 9 photos on 4 glossy f; cover photo. $1.65. JSL.

5674. -----1964 Vol III. New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland. [4], 103, [1 blank]p; 10 maps, doubleleaf map of Nova Scotia tip-in; 8 photos on 4 glossy f; cover photo. $1.00. JSL.

5675. SABINE, LOIS

How To Find | Australian | Gemstones | by Lois Sabine, F.G.A.A. | [orn] | Contents |...| [logo] | Printed... for Magazine Services Pty. | Ltd., 142 Clarence Street, Sydney, 2000 [nd, ca 1971]

Edgestapled: 74 p includ front cover & col photo f; 35 b&w photos, includ covers; 21 col photos on 4 glossy f includ covers; 20 sketches; 13 maps includ covers. Stiff black glossy wrap, all surfaces illust. 27.8 x 19.8 cm(11 x 7 3/4 in). Cut. Aus $1.00. JSL.

Cont: cover title; tp(& tab cont, publ data); introd; 9 chs; tabs of gem properties; maps(includ inside back cover).

Trivial and not very helpful to the beginner, and with chapters that are inappropriate to the announced purpose of the book, eg, Ch 8 on new gemstones which describes some that are not found in Australia! Topics: tools & equipment, prospecting, a chapter on tumbling gemstones but not mentioning other lapidary methods, gemological methods of identification, heavy-liquid sg determinations using dangerous chemicals, some principal Australian gemstones and where found, identification tables. Rev *Austral Gemm* 10, 9, 1970, 21.

SABINE, P A, see McLINTOCK, W F P, 1951

5676. SABOT, RÉNE-CHARLES

Étude Cristallographique Et Optique | D'Un Certain Nombre De | Minéraux des Pegmatites de Madagascar | Et De | Minéraux de l'Oural | [rule] | Thèse | Présentée A La Faculté Des Sciences De L'Université De Genève | Pour Obtenir Le Grade De Docteur Ès Sciences | Par | René-Charles Sabot | [orn rule] | Genève | Imprimerie Albert Kundig | [rule] | 1914 | These N° 519

"Université De Genève - Faculté Des Sciences, Labratoire De Minéralogie, Professeur M.Louis Duparc."

8°: 138, [2 blank]p; 52 fig(fig 44 part col, tip-in). Self-wrap, cover is titlep. 21.3 x 13.7 cm(8 3/8 x 5 3/8 in). Cropped. JSL.

Cont: tp; permission; 2 dedics; ackn; introd; 3 chs; tab cont; figs list; blank f.

Ch 1 various granitic permatite minerals of Madagascar but including only spessartine among the gem species; Ch 2 occurrences at Takovaya in the Ural Mts of rose topaz, spessartine, quartz, etc. The 3rd chapter on petrography of platinum-bearing rocks of the Urals.

SABOT, R, see DUPARC, L, 1910

5677. SACHABINSKI, M Kamienie szlachenie i ozdobne Slaska [Precious and ornamental stones of Silesia]. Wroclaw: Zaklad Narodowy im Osslinskich, 1980, 238 p, col ills. Zloty 50. Not seen; from *J Gemm*, 17, 7, 1981, p 498.

SADEBECK, ALEXANDER, see ROSE, G & SADEBECK

SADTLER, S P, see GENTH, F A

5678. SAENZ DIEZ, MARTIN DIEGO

Manual | De Joyeros, | Con La | Teorica Y Practica | Para Con brevedad Sacar La Cuenta | Del Valor En Que Se Venden, Y Compran | Los Diamantes, Y Demas Piedras | Preciosas. | Y Tambien El Oro Y La Plata. | Su Autor | Don Martin Diego Saenz Diez, | Comerciante de diamantes en esta Corte. | [rect engrav vignette: author's office, he seated at table with open paper of gems, balance, and other objects, with two other gentlemen; 6.2 x 9.7 cm; signed De La Cruz] | Con Licencia | [double rule] | En Madrid: Por D.Antonio De Sancha. | Año De M.DCC.LXXXI. | [rule] | Se hallará en su librería, en la Aduana vieja.

In two volumes, but paged continuously, each with own index; second volume title below.

Vol I: 8°: LVI, 434 p; a-c^{8}, d^{4}, A-Dd^{8}, Ee^{1}(this sig carries into the 2nd vol). Engrav pl bound-in at p 14. 19.8 x 12.5 cm(7 3/4 x 4 7/8 in). Cropped. LC 11-7810. JSL.

Cont: tp; blankp; dedic; introd; explan of cont & uses of bk; tp to tabs; tabs; index.

Vol II

Manual | De Joyeros, | Con La Teorica Y Practica. | Comprehende Diferantes Tablas, | Para Sacar Con Brevedad La Cuenta | Del Importe De Las Cantidades De Oro Y Plata, | Segun El Valor De Su Ley, O Por Los Diferentes | Precios A Que Se Compren O Vendan, Ya Sea En | Pasta O Tejos, Como En Bagilla O Alhajas Hechas, | Reducido A Reales Y Marvedises | De Vellon. | Obra util para todo Artifice Platero, y los que hacen comercio con estos preciosos metales. | Su Autor | Don Martin Diego Saenz Diez, | Commerciante de Diamantes en esta Corte. | Tomo Segundo. | [same vignette] |... [same, but the word "Librería" now capitalized].

8°: [1], [1 blank]p + p 435-711 + [1]p; Ee^{2-8}, Ff-Xx^{8}, Yy^{4}.

Cont: tp; blank p; use of tabs; tabs; index; erratas.

Written by a goldsmith and jeweler of Madrid, this early Spanish work is essentially a series of tables to be used by jewelers, goldsmiths, and others in reckoning values of gemstones and precious metals according to weight. The introductory matter in the first volume provides brief descriptions & notes on diamond, ruby, emerald, sapphire, topaz, chrysoberyl, amethyst, aquamarine, opal, turquoise, sardonyx, garnet, zircon, peridot, coral, strass, agate, carnelian, onyx agate, jade, jasper, lapis lazuli, serpentine, aventurine, bloodstone, crapodina(toadstone, or fossil), rock crystal, fluorite, marcasite, and others, and also the seven metals, namely, gold, silver, copper, iron, tin, lead, mercury, and platina, the last stated to be an alloy midway between gold & silver(!) and at the time unrecognized as a distinct element. Also in the introduction is a list of previous writers on gemology, p L-LII, some rules of subdivision as applied to the weights then in use, and specific instruction of how to apply the tables which follow. The latter do not give base prices for any specific gemstone or metal but are solely designed to eliminate tedious calculations. The engraved plate in the first volume (in my copy) is bound-in at p 14 among tables where it is decidedly out of place and probably should have been bound-in at p XIV inasmuch as it bears figures of famous diamonds, about which the text in this place concerns itself, namely, Regent, Sancy, Grand Duke of Tuscany, Grand Mogul, and four views of the Orlov, all described and weights given upon p XII-XV. The second volume briefly explains uses of tables and tables of actual values of gold & silver versus various weights. This valuable treatise is described by Maffei & Figueroa, 2, 126-7, no 2267.

SAGE, BALTHAZAR-GEORGES (1740-1824)

B Paris, the son of an apothecary; educ Coll Quatre Nations, also priv tutored in scientific subjects, showing at an early age a remarkable aptitude, and soon becoming learned in chem & mineralogy; establ chair of mineralogy in Royal Mint, 1778; numerous publs in electricity, metallurgy, assaying; in later life, rigid in views, earning name "le Fossile," and vigorously rejecting the "new" chem of Lavoisier. J Ferguson, *Bibl Chem*, 2, 312-3; Pogg 2, 732-4; *Biogr Univ*, 80, 269-74; DSB 12, 63-8.

5679. -----1769

Examen | Chymique | De Différentes | Substances Minérales; | Essais sur le Vin, les Pierres | les Bézoards, & d'autres parties | d'Histoire Naturelle & de Chymie; | Traduction d'une Lettre de | Monsieur Lehmann, sur la Mine de | Plomb rouge. | Par M.Sage. | [orn] | A Paris, | De l'Imprimerie de P.De Lormel, rüe | du Foin, à l'Image Sainte Genevieve. | [double, taper-rule] | M.DCC.LXIX. | Avec Privilege.

12°: xii, 151 (recte, 251], [4], [1 blank], [1], [1 blank]p; a^{6}, A-K^{12}, L^{6}, chi^{3} (final f tip-on to last chi f). Ch orns, rules. 16.4 x 9.7 cm(6 1/2 x 3 7/8 in). Cropped. P [242-251] misnumbered. JSL; Ward & Carozzi, 1942.

Cont: tp; blankp; pref; dedic; tab cont; errata; text; index; approb & priv; blank p; note on Lehmann's ltr; blank p.

A melange of short essays on minerals, ores, etc, with an essay on the examination of wines. Chiefly of interest to the gemologist are the articles on on the preparation of ultramarine pigment from lapis lazuli, p 18-32, and the large and important article on the chemical composition, internal structure, and other features of human & animal calculi or bezoars, p 85-103. The remarks include supposed virtues of bezoars and common medicinal applications of same; it is probably the first useful scientific examination and chemical analysis of calculi to reach print.

5680. -----1775, Ger transl of above. G.B.Sage's Chemische Untersuchungen verschiedener Mineralien. Aus der Französisch von L.A.G.Schrader mit Anmerkungn von J.Beckmann. Göttingen: 1775, 8°. Not seen.

5681. -----1772

Eléméns, | De Minéralogie | Docimastique, | Par M.Sage, | De l'Académie Royale des Sciences. | [orn] | A Paris, | Chez P.de Lormel, Imprimeur- | Libraire de l'Académie Royale de | Musique, rue de Foin. | [orn rule] | M.DCC. LXXII. | Avec Approbation & Privilege du Roi.

8°: xxiv, 276 p; a^{8}, b^{4}, A-R^{8}; engrav pl alchemical symbols, fold, bound-in opp p 260. 19.7 x 12.4 cm(7 3/4 x 4 7/8 in). Cropped. JSL; Ward & Carozzi, 1943.

Cont: tp; blank p; dedic; pref; tab cont; text; extract from Register of the Academy; pl; index; errata.

In three parts, treating among other substances, jet and amber in the first part, gemstones and ornamental stones in the second, and metals and ores in the third part. The title is misleading because assaying is treated only in the third part. The second part is of most interest to students of gemology because of its descriptions of cave dripstones(calcite onyx), marbles, alabaster, serpentine, nephrite, gypsum, Madagascar rock crystal, several varieties of crystalline quartz, including amethyst, many chalcedonic quartz varieties, several ornamental & architectural stones, and the precious stones as emerald, topaz, zircon, peridot, sapphire, chrysoberyl, diamond, ruby, and jade. In most instances, descriptions include remarks on sources, varieties and chemical composition. Much of the information is inaccurate, due to the imperfect knowledge then prevailing on the true chemical compositions of many gemstones complicated by analytical methods used by Sage which were said to be less careful than those used by contemporary chemists. In the cases of chemically stable gemstones as quartz, corundum, and the like, then defying any attempt at dissolution by wet analysis, Sage presents sheer speculation as to composition, for example, in quartz, stating that it is "a salt composed of a vitriolic acid and absorbent earth." For many other gemstones, however, he wisely refrained from making any remarks on composition and contented himself with noting behavior when samples were strongly heated, thus providing for a number of gemstones some

earliest descriptions of fusibility and the alteration of color under heat treatment. Sage's work is important because it marks the end of a period when inadequate analyses of the more recalcitrant minerals, notably gemstones, were the rule and resulted in many curious mis-classifications, particularly among the oxides and silicates.

5682. -----1775 Ger transl, with remarks, by Leske, Leipzig, not seen.

5683. -----1777 2nd Fr edit

Eléméns De | Minéralogie | Docimastique. | Par M.Sage. | Seconde Édition. | [rule] | Tome Premier [-Seconde]. | [rule] | [woodcut vignette, royal coat-of-arms] | A Paris, | De L'Imprimerie Royale. | [double rule] | M DCCLXXVII.

Vol I:8°: xlvij, 339 p; a-c^8, A-X^8, Y^2; engrav front portr of Sage, bound-in, by F G Colson engrav by J Beauvarlet. 19 x 12.5 cm(7 1/2 x 4 7/8 in). Cropped, JSL; Ward & Carozzi, 1944.

Cont: front; tp; blank p; advert; pref; tab cont(for all); text; blank p.

Vol II: [2], 400, xlvj, [2] p; titlep is tip-in; A-Bb^8, a-c^8. Bound-in engrav pl of alchemical symbols, with fold tab of compounds of phosphoric acid, facing p 400.

Cont: tp; blankp; text; pl & tab; index; errata(for all) & instructions to binder.

Greatly expanded and reorganized, incorporating many new discoveries and again laying great importance on the combinative functions of acids, particularly the acid of phosphorus which Sage, p vii-viij, deems to be "l'acide primitif, l'acide universel elementaire." As before, he considers most minerals to be combinations of one or another of the acids then known, plus some sort of "absorbent" earth, and in the cases of gemstones (as recalcitrant analytically as they were before), the combination is of phosphoric acid and some sort of alkali, but for quartz and relatives, the combination remains a vitriolic acid and an alkali analogous to tartar. All of these principles are explained in the lengthy preface. The original first two parts now appear in the first volume, the second being entirely devoted to the ores of the metals and their assay. As before, the first part includes descriptions of jet and amber placed under "bitumens," without much change, while the second part, drastically revised, treats all the gemstones previously mentioned, often in greater detail and including important changes in subject matter. The acidic classification scheme of Sage is here reflected by placing minerals under the acids concerned. However, carbonic acid, then unknown to Sage, is absent with the result that carbonates, including the several varieties of calcite treated in the text, are placed under "combinations of phosphoric acid with an absorbent earth." In contrast, the sulfate, gypsum, is more or less correctly described as a combination of vitriolic acid and a calcareous earth although the table of contents incorrectly lists phosphoric acid instead. Unfortunately, this same class also includes such silicates as clays, tripoli, schists and slates, serpentines, and steatites. A similar error is perpetuated in those classes in which gemstones are included except now phosphoric acid, plus a "fixed" alkali, is deemed to be the basic combination.

5684. -----1786 Ital transl. Not seen.

5685. -----1784

Description | Méthodique | Du Cabinet | De | L'École Royale | Des Mines. | Par M.Sage. | [woodcut monogram] | A Paris, | De L'Imprimerie Royale. | [double rule] | M.DCCLXXXIV.

8°: [2 blank], [1], [1 blank], xvi, 487, [1 blank], xi, [1 blank]p; pi^2, $*^8$, A-Hh^8, Ii^2. 19.8 x 12.7 cm(7 3/4 x 5 in). Cropped. BM(NH) copy.

Cont: blank f; tp; advert; errata; tab cont; text; description of laboratory; index; blank p.

Brief descriptions and locality information on many hundreds of specimens in the mineralogical cabinet of the Royal School of Mines, Paris, including examples of numerous gemstones from diamond to those of small value as certain ornamental stones. All entries are brief and poorly informative.

5686. -----1814

Traité | Des | Pierres Précieuses. | Par G.B.Sage, | De L'Academie Royale Des Sciences De Paris, | Fondateur Et Directeur | De La Première École Des Mines. | Adamas in igne fugax. | [taper rule] | A Paris, | De L'Imprimerie De Firmin Didot, | Imprimeur De L'Institut De France, | Rue Jacob, N° 24. | [double rule] | 1814.

8°: xj, [1 blank], 64 p. 18.7 x 12.2 cm(7 3/8 x 4 3/4 in). Cropped. USGS Kunz Coll, GS 34-473. Cont: 1/2tp; tp; pref; text; index.

Not really a systematic gemology as may be assumed from the title but rather a series of notes and anecdotes on gems and gemstones telling of certain aspects that appealed to the author and considered worthy of publication, for example, a short dissertation on the history of gems, another on famous diamonds, and remarks on pearls, amber, and other gemstones and stones, none explored in depth.

5687. SAHA, N N

Healing | Through | Gems | N.N.Saha | A Sterling Paperback | [logo] | [title spread over two pages, to left:] Published by: | Sterling Publishers Private Ltd. [New Delhi, 1977]

Title leaf decorated with an outstretched hand & beads, faceted gem pendant.

8°: 152, [4 advert]p. Col wrap, vari-col print & col gem in oval zodiac frame on cover; col spine title; col resume back cover. 16.3 x 10.3 cm(6 3/8 x 4 1/8 in). Cut. Rs 6.

Cont: 1/2tp; tp; publ data; pref; tab cont; 9 chs; adverts.

The author is a gem therapist and writes from a considerable familiarity both with gemstones and the Indian lore of gems. He indicates the sources of celestial power imbued in gems and how these may be used to affect cures for diseases and ailments, or to protect one against them to begin with, also baleful influences, and misfortunes, and how all of these are related to the celestial influences previously mentioned. All actions, however, are based on the casting of horoscopes and the work is actually more astrological than gemological, the gems themselves merely being regarded as the vehicles of celestial power that governs all life on Earth. Much of the text is taken up with detailed explanations of physical and mental ailments and how these are treated specifically through use of gems.

5688. SAHLIN, CARL Den skanska bärnstenen och dess tillgodogörande. *Med Hammare och Fakla*, Stockholm, 8, 1937,

p 1-35; not seen; types of amber deposits in Sweden, uses of amber, preparation of, trade.

5689. SAHNI, M R Agates and other forms of chalcedonic silica: their origin, distribution, and economic possibilities (with particular reference to Rajpipla State). *Indian Minerals*, Geol Survey India 2, 4, 1948, 244-55, geol sketch map, 2 pls. Not seen: history of agate mining and industry, future prospects, importance, and with geologic types of agate deposits described.

5690. SAID, HAKIM MOHAMMED, editor Al-Biruni commemorative volume. *Proc Internat Congr held in Pakistan on the occasion of Millenary of Abū Raihan Muhammad ibn Ahmad al-Birūni(973- ca 1051 AD)*, Nov 26, 1973, through Dec 12, 1973. Printed in Pakistan at the Times Press, Karachi, 1979. Cloth, [4], 844 p + ten leaves of "pictorial highlights,"that is, photos of speakers and attendees; text ills. 24 x 15 cm(9 1/2 x 6 in). UCSD Libr. Of interest to the student of ancient gem lore is the contribution by G C Anawati, "The Kitab al-.Jamahir fi-Marifah al-Jawahir of al-Biruni," p 437-53, with biblio, p 451-3, which includes general works on al-Biruni as well as numerous articles which have been published on his work, also sources, citations, and translations. For a discussion of al-Biruni's knowledge of gems, see under his name and also under SCHÖNFELD, JUTTA.

SAINT LAURENT, JOANNON DE, see JOANNON DE SAINT LAURENT

5691. SAINT-ROMAIN, G B DE Discours touchant les merveilleux effets de la pierre divine [jade]. Paris: 1679, 12°, 52 p. Not seen; in THORNDIKE, vol 7, 264-66.

5692. SAINT YVES, P Pierres magiques: bétyles, haches-amulettes et pierres de foudre. Traditions savantes et traditions populaires. Paris: 1936, 296 p, 20 ill, wrap. Not seen; from a bookseller's catalog of June 1974.

5693. SAKIKAWA, NORIYUKI Gem Stones. Osaka, 1965, not seen.

5694. -----1967, 2nd edit

Gem | Stones | [rule] | by Noriyuki Sakikawa | Translated | by Eichi Kobayashi | [logo] | Color Books 6 | [logo] [Osaka: Hoikusha Publishing Co., Ltd., Second Edition May, 1967]

Title f on pale green paper, dk green lett; tipped-in.

8°: [5], [1 blank], 127, [1 blank], [4 advert]p; 72 col photos, 70 b&w photos; 1 monochrome photo; 4 line drawings. Col wrap, col photo of front with white band & col logo & black lett. In some reprints, called "editions," the white band & title appears at top of cover; back cover pale greenish-gray; wrap enclosed in colorless plastic envelope, horizontally ribbed. Two f after title-f are on very pale green non-glossy paper, which paper reappears on p97 to end; other paper is glossy. 14.8 x 10.5 cm(5 3/4 x 4 1/8 in). Cut. Marker ribbon. JSL.

Cont: tp; publ data; fwd; tab cont; text to p 96; another tab cont; text; transl note; 2 p of cut styles; blank p; adverts.

Popular exposition of gemstones: uses in jewelry, history, birthstones, crown jewels, diamond, the Emerald Buddha, Nepal handicrafts, gemstone production, and descriptions of selected major gemstones, all in a rather disconnected discourse which seems to have been tailored to fit the magnificent colored photographs rather than the other way around. The second part has its own table of contents and is printed on thin, pale tan paper, and treats the significance of gemstones and gives systematic descriptions of same. While the first edition probably was in Japanese, it is not known if it was also translated into English. On p 125 the translator notes that "occasional liberties have been taken in omitting portions of the text that had meaning and interest only to Japanese readers." The so-called "editions," extended to the 5th of November 1968.

5695. -----1968

Jade | by Noriyuki Sakikawa | Japan Publications, Inc. [Tokyo, 1968]

4°: 61p + map of 2 p; 14 col photos, 20 b&w photos; 1 diagram. Bright red, unfin silk streaked horizontally in white; gold lett & orn on spine. Pale brownish-yellow endp. Brown dj, jade photos on cover, blue & white lett, resume, vita. 18.4 x 12.8 cm(7 1/4 x 5 in). Cut. $2.50; £ 1.50. LC 68-199979.

Cont: 1/2tp; tp; publ data; fwd; tab cont; ill list; 4 chs; map; blank p.

An attractively-illustrated popular exposition but shallow and not free of substantial errors. Topics: history of jades, jadeite, nephrite, judging jades (only 2 pages and virtually worthless), and characterized by continual extolling of virtues of high-quality "imperial jadeite" at the expense of nephrite jade which the author clearly regards as an inferior "semi-precious" stone. Little is said about classical Chinese nephrite carvings, nothing of the symbolism, and nothing of the high esteem in which this material was held by the Chinese. Most of the illustrations are of high quality jadeite cabochons but nowhere are their sizes given. There is neither a bibliography nor an index. The sketch map, inaccurate in respect to American localities, is almost useless. Rev *J Gemm*, 12, 5, 1971, p 184; G M Born, p 296.

5696. SALDANHA, REYNALDO Sobre o euclasio de Dom Bosco (Municipio de Ouro Preto). 30 Paulo, *Bol Mineralogia 3, Faculdade de Filosofia, Ciencias e Letras de São Paulo Bol 18*, 1939, p 29-43. JSL.

5697. -----1941 O diamante Coromandel. *Bol Min* 4, ibid, *Bol* 21, 1941, 15-23, 8 photos on 2 pls counted in pag. JSL. A 400.65 ct diamond crystal found at Coromandel, Minas Gerais in 1938; history of the find, list of other very large diamonds from Brazil and elsewhere, with weights, and description of the Coromandel. Photos show several views of the crystal and some surface details.

5698. -----1942 O diamante "Governador Valadares." Ibid, 30, Min 5, 1942, p 17- 23, 5 fig. JSL. A 108.30 ct diamond crystal from Minas Gerais. Describes crystallography, with photos of the crystal in natural size and a crystal drawing.

SALDANHA DA GAMA, R, see LEONARDOS, O H, 1939

SALMONY, ALFRED(1890-1958)

Eminent expert Chinese arts, esp jades; curator & later asst director Mus Far Eastern Art, Cologne, Ger from 1924-1958); edit of *Artibus Asiae*; taught in Mills Coll, also Wash U, Vassar, NYU.

5699. -----1938

Carved Jade | Of | Ancient China | By Alfred Salmony, Ph.D. | Printed At The Gillick Press | Berkeley · California · MCMXXXVIII

8°: [4 blank], [8], 85, [1 blank], [83], [5 blank]p; 72 photos on 38 tip-in glossy f. Pale green buckram, rect gold panel on front cover with title & horizontal rules in red; blind rules, red title on spine. 31.8 x 24 cm(12 1/2 x 9 1/2 in). Cut. LC 39-12712. JSL.

Cont: 2 blank f; tp; publ data; dedic; tab cont & pls list; pref; introd; text; concl; biblio(p 77-82, ca 110 entries); dynasties & periods; collections represented; catalog & plates; 5 blank p.

Principally provides a compendium of archaic jades, especially those carvings that are flattened in shape and shallowly incised, many being small in size. The text discusses the raw material and where obtained and makes the special point that "certain colors and qualities of jade" make it possible to assign carvings to "definite provenances and periods." Salmony also discusses other criteria insofar as dating is concerned, and notes that dating is a highly troublesome problem. Other topics are the mentions of jades and their uses in ancient texts, the texts assigned to specific dynasties, from Neolithic to T'ang, all with illustrations and captions given concurrently with textual discussion. One of the earlier books on jade attempting to chronologically and stylistically systematize carved Chinese jades. It is a handsome work, beautifully designed and carefully produced from high grade materials. Summ by G M Born, 298; Rev A K Coomaraswamy, *Art Bull*, 22, 1940, 54-5; Chamberlin, 1900; Yang 1835.

5700. -----1982, London reprint

Carved Jade |...| [rule] | Han-Shan Tang [London, 1982]

8°: [8], 35, [1 blank], [162]p; 72 photos as before but on the same paper as text. Grayish-green cloth, gold panel on front cover overprinted with title & rules in red; similar title & gold rules on spine. Terra cotta dj; green central panel photo & white title on cover; white spine title; flap resume & other publ bks. 31.7 x 24 cm(12 1/2 x 9 1/2 in). Cut. ISBN 0-906610-03-6. £ 35.00. JSL.

P [2]: "Originally published in 1938... in a numbered edition of 250 copies signed by the author. Reprinted in an unabridged facsimile edition this edition is limited to 1000 copies." A high quality production.

5701. -----1939

"3000 Years Of Chinese Jade" | [logo] | Arden Gallery | January 10th Through February 11th, 1939 | New York ["Copyright...New York, 1939"]

Edgestapled: 110 p(first f blank) + blank f; 62 photos on 20 glossy f. Pale green, thick paper wrap, dk green lett on cover. 23.7 x 16.7 cm (9 3/8 x 6 1/2 in). Cut. JSL.

Cont: blank f; tp; ackn & publ data; comm mbrs; ackn; statement; poem of jade(in Engl & Chin); fwd; biblio; pref; chrono; cat tp; cat; pls tp; pls; advert; blank f.

An exhibition of 281 jade & hardstone carvings loaned by many private & public sources to publicize the woes of Nationalist China in its war with Japan and to enlist support and raise funds for their cause. Catalogs the pieces by dynasties, from prehistoric & Shang to Ming & Ch-ing. Each object identified as to purposes & material, dated, and with largest dimension and collection from which borrowed. Fair to good photos. Summ G M Born, 304-5; Salmony discussed the exhibition in *Burlington Mag*, 74, 1939, 85-7, ills; also in Parnassus, Feb 1939, 24-6; Yang 1837.

5702. -----1941

Vassar | College | Art | Gallery | 1941 | Far Eastern Jades | Charles M.Pratt Collection [Poughkeepsie, New York]

8°: 62p + [18]p(pl tp & pls); front photo + 16 photos(called "pls" I-XVI). Pale gray wrap, brownish-yellow lett on cover. 21.6 x 15.3 cm (8 1/2 x 6 in). Cut. Wrap overlaps text. JSL.

Cont: blank p; front; tp; tab cont; introd; text; biblio(p 21, 8 entries); legends; cat; pls tp; pls; gallery info.

The collection, "permanently" on exhibit, features post 16th century examples of ornamental, pictorial, symbolic, and Indian-type(Mogul) jades produced in China. The text gives a brief general introduction to jades, their dating, uses, symbolism, jades in India(several examples in the collection). The catalog gives brief descriptions of the pieces with usual remarks on material, styles, symbolism, etc. G M Born 302-3; Yang 1841.

5703. -----1952

Archaic Chinese Jades | From The | Edward And Louise B.Sonnenschein | Collection | By Alfred Salmony, Ph.D. | The Art Institute Of Chicago | 1952

8°: xiii, [1], 279, [1 blank]p. Col front pl with printed tissue, tip-in; 106 photo pls in text(pls recto, captions recto; 2 pls are folded to accomodate additional captions). Pale gray cloth, gold lett on cover & spine. Pale green dj, pi-disk in brown on cover, with black & white lett. 30.5 x 22.8 cm(12 x 9 in). Cut. JSL.

Cont: 1/2tp; front; tp; publ data; fwd; tab cont; introd; abbrevs; cat; biblio(p 277-9, 179 entries); blank p.

In the introduction Salmony explains the formation of the collection and his commissioning by Mrs Sonnenschein to prepare the catalog. The collection was formed between the early 1920's and the late 1930's, until the pieces numbered over 1300 items. Mr S died in 1935, and Mrs S in 1949, with the collection thereupon passing into the ownership of the Art Institute of Chicago. The catalog contains five sections: Shang, Western Chou, Middle Chou, Eastern Chou, and Han, each preceded by a discussion of typical pieces of the period with comments on styles, embellishment, etc and followed by descriptions of the pieces. The photographs are fair to good quality but the photographer experienced much difficulty in achieving sufficient contrast in the case of pale colored pieces in which details are largely lost. A valuable work much prized for its large variety of objects. Rev *Art Inst Chicago Quart*, 46, 1952, 49-54, ill; S H Hansford, *J Roy Asiat Soc*, pts 3 & 4, 1953, 181-2; *Amer J Archeol*, 57, 1953, 306-8; M J J Loehr, *Ars Orientalis*, 2, 1957, 605-8; G M Born, 297; Yang 1845; W Watson, *Burlington Mag*, 97, 1955, 23.

5704. -----1963

Chinese Jade | Through the Wei Dynasty | Alfred Salmony | Late Professor Emeritus, Institute Of Fine Arts | New York University | The Ronald Press Company · New York [1963]

8°: blank f + v, 287, [1 blank]p; 46 text photo pls, printed one side only & includ in pag(up to 8 objects per pl). Pale brown cloth, gold lett cover & spine. Col dj, resume, vita, other publ bks. 26 x 18.2 cm(10 1/4 x 7 1/8 in). Cut. $30.00. LC 62-17538. Plain, terra-cotta paper-covered slipcase. JSL.

Cont: blank f; tp; publ data; fwd; tab cont; text tp; 8 chs; index; index of Chinese names; blank p. Errata slip(Pl XLII).

According to the foreword by Craig Hugh Smyth, Salmony had planned a comprehensive two-volume work to be entitled *Chinese Jades of All Periods*, but only the material in the present book was completed before his death in 1958. At the same time it was indicated that a second volume would follow incorporating material collected later by Salmony but edited by another author, but this has not appeared.

Of the eight chapters, the first serves as a general introduction while the remainder take up jades of the periods Pre-Anyang, Shang, Early Western Chou, Middle Chou, Late Eastern Chou, Han, and Wei. Prefatory remarks in each chapter discuss the cultural features of the period as known from records or inferred from artifacts recovered from grave sites, the motifs upon jades and their signficance, and uses of the objects when the evidence for same appears unequivocal. The major text is taken up with descriptions of the objects, identifying jade type, giving dimensions, period, where published previously, location, and photographer. Rather disconcertingly the plates & captions interrupt the text, and being sans numbers, sometimes make it difficult to find a page referred to in the index. Notes and references are collected at chapter ends. Fine, scholarly work, matched in quality by the physical book. Summ G M Born, 300; rev D Gure, *Artibus Asiae*, 26, 1963, 339(with much information on the history of writing the book!); R Y Lefebvre D'Argencé, *J Amer Oriental Soc*, 83, 2, 1963, 271-5; Yang 1846.

5705. SALOMON, PAULE & ROUDNITSKA, MICHEL
Tahiti Perles, 1986, Reprint 1987 SNC WAN et Cie... Packaged by Times Editions, Singapore... ISBN 9971-40-049-9, Publishers No 415. Publisher: Tahiti Perles, B.P. 850, Papeete, Tahiti, French Polynesia. Not seen; from reverse of front flyleaf.

5706. -----1987(?), Engl edit

[double rule] Tahiti [double rule] | The Magic Of The Black Pearl | [double rule] | Paule Salomon | and | Michel Roudnitska [a single col photo spread over double title leaf, title in white recto only]

4°: 221, [3 blank]p; ca 300 col photos(several col diagrams), 11 b&w photos. Black, cloth-type paper over stout bds, gold title on cover & spine; col photo of nacre both endp. Black dj, col photo & white title on front with col photo & resume back; col portrs of authors & vitas on flaps. 31 x 24 cm(12 1/4 x 9 3/8 in). Cut. Glossy paper. Price ca USA $70.00. JSL.

Cont: 1/2tp; tp; dedic; pref; tab cont; 8 chs; biblio(p220, 30 entries); ackn; 3 blank p.

According to Gaston Flosse's preface, as President of the Government of the Territory of French Polynesia, "the black pearl... has become the primary export of French Polynesia." This splendidly produced, beautifully photographed and carefully researched book matches the importance assigned to the famous black pearls of these South Sea islands. The authors provide us with an account of the legends surrounding the origin of the pearl as taken from accounts in ancient times, calling this chapter, "A Legendary Birth," then passing on to chapters that deal with the biology of the pearly mollusk of Tahitian waters, the composition of the pearl, explanation of the black hue, pearl culture history and application of modern methods in the islands, the history of pearling and production in the islands, remarks on different species of oyster, pioneering the cultured pearl in these waters, with much on the persons responsible, marketing the black pearls and how they are used in jewelry, the fascination of pearls and personal adornment trends, anecdotes & stories concerning the pearl, the symbolism and lore of the pearl, and lastly, a short chapter on the esteem in which the pearl is held locally. In terms of space, perhaps two-thirds is occupied by the consistently magnificent color photographs which range from purely scenic to showing details of pearl structure and nuclei implantation, plus many of pearls themselves, alone or in jewels of many types. This book is that happy combination of fascinating illustration and simply stated text that elevates the spirit while it nourishes the mind.

SALTZMANN, J R, see OERTEL, J

5707. SAMSONOV, YAKOV PAVLOVICH & TURINGE, ARIS PETROVICH

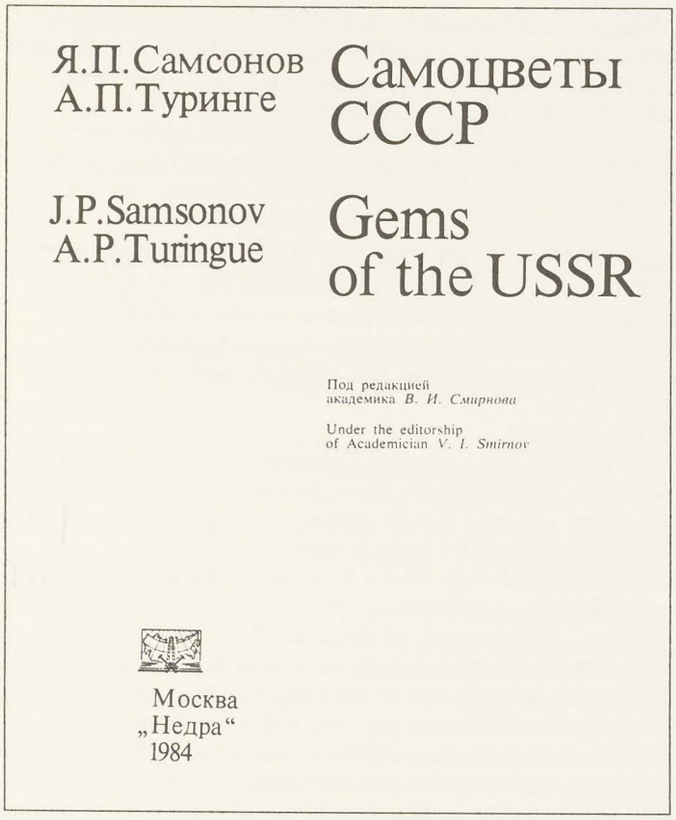
[upper left corner:] Ya.P.Samsonov | A.P.Turinge [upper right corner:] Samotsvety | SSSR [center left:] J.P.Samsonov | A.P.Turinge [center right:] Gems | of the USSR | [below:] Pod redaktsiey | akademika V.I. Smirnova | Under the editorship | of Academician V.I.Smirnov | [logo] | Moskva | "Nedra" | 1984

8°: 335, [1]p; col front photo + 189 ill(all except a map & cutting diagrams are in col); 2 tab. Black glossy paper, photo of emerald group & white titles on cover, over bds; white title spine; price & resume back cover 21.5 x 16.7 cm(8 1/2 x 6 1/2 in). Cut. Glossy paper. Press run 90,000 copies, 4r 90k. JSL.

Cont: 1/2tp; front; tp; publ data & resumes; tab cont; editor introd; pref; text; summ; biblio(p 332-3, 37 entries); locality index; publ data.

The most comprehensive and authoritative treatise in modern times of the gemstones of the USSR, with good color photographs of cut & rough gemstones, countryside views, mining activities, etc, and all attractively designed and on good quality paper. Unrortunately, only the illustration captions are in English. p[4]: "This book includes detailed characteristics of the main species of gems and semiprecious stones in the USSR. Descriptions of geological, structural, genetic and other factors of the origin and distribution of gemstone formations are given. The territory of the country is divided into ore regions of gemstone raw materials with regard for main geological and structural and economic regions. Complex and monomineral provinces of gemstone raw material are marked out. The distinction and cutting of natural gemstones and their imitations are examined." In addition to the expected geological/mineralogical treatment as indicated in the foregoing resume, it should be noted that Part 6, on the history of the development of the manufacture of many types of articles from gemstones and stone, is especially rich in illustrations of all manner of articles from massive stone monuments, urns, etc., to articles of personal adornment, crown jewels of Tsarist days, peasant jewelry, small animal carvings, and many more. As noted by M J O'Donoghue in his review, *J Gemm*, 20, 4, 1986, 254-5, "there are many quality colour pictures and even for those with no Russian these make the book well worth getting."
I have seen another issue of the present work, dated 1985, same price, bound in plain, olive-green cloth-type paper over bds.

5708. SAMUEL T. FREEMAN A valuable collection of rare Chinese and Japanese objets d'art consisting of beautiful ivory



5707. First recent study of the gemstones and their deposits in the USSR

carvings, unusual specimens of jade, agate, rock crystal, amethyst... assembled and sold by order of Mr.Walter Peirson, Radnor, Pa. at the art galleries of Samuel T.Freeman & Co.... 1808-10 Chestnut Street, Philadelphia, Pa. [1933]. Centerstapled: [48]p, 13 photos; print wrap. 22.8 x 15.2 cm(9 x 6 in). Cut. Most of the 293 items are jades, hardstone, and ivory carvings.

5709. SANCHEZ CABELLO, A Al interes por las piedras preciosas. Artes Graficas Vicent, Paterna, Valencia [Spain], 1978, 167 p, ill in b&w and col. Not seen, from rev *J Gemm*, 20, 2, 1986, 131, "on diamond with some major gemstones, probably written (from the style and date) for the prospective investor... illustrations are of very variable quality... short bibliography (M J O'Donoghue)."

5710. SANDERS, J V Colour of precious opal. *Nature*, London, 204, 4964, Dec 19, 1964, 1151-53, 7 figs. Although very brief, this landmark article announces the first compelling evidence for a true explanation of the play of color in precious opal. Photomicrographs of freshly-fractured surfaces of precious opal, plain or etched with HF show that the internal structure characteristically consists of regularly stacked arrays of uniform-size spherules from which "diffraction by the lattice of voids" produces the almost spectrally pure flashes of color. See also JONES, J B, SANDERS, J V & SEGNIT, E R, "Structure of opal, ibid, 204, 4962, Dec 5 1964, 990-1, 4 figs(shows the spherulitic structure but does not mention color play); DARRAGH, P J, GASKIN, A J & TERRELL, B C,, "Origin of precious opal," ibid, 209, 5018, Jan 1, 1965, 13-6, 2 fig (proposes a logical process by which uniform spherules of opaline material can form in a sedimentary environment and settle into the regularly-stacked arrays capable of producing diffraction effects); Jones, J B, BIDDLE, J & SEGNIT, E R, "Opal genesis," ibid, 210, 5043, Jun 25 1966, 1353-4, 3 fig. The fine opal structure in tabashir is described in JONES, L H P, MILNE, A A & SANDERS, J V, "Tabashir: an opal of plant origin," *Science*, 151, 3709, Jan 28, 1966, 464-6, 1 fig. A popular article on color play in precious opal by P J DARRAGH, A J GASKIN, & J V SANDERS, in *Scient Amer*, Apr 1976, p 84, 85, 88-95, with col photos & diagrs, forming an admirable summary. For a neglected paper noting the spherulitic structure of precious opal, see O BÜTSCHLI, 1900.

5711. SAN DIEGO COUNTY.

Precious Gems | And Commercial Minerals | [orn] | San Diego County | California | The Gem-Adorned County of America | [rule] | Press Of Frye & Smith | San Diego [nd, post 1906]

Centerstapled: 29, [3]p; 16 photos; ch orns. Pale brownish-gray wrap, col floral tee-shape orn with Pan in center on cover; cover title "San Diego | California | Sparkling | With Gems... [etc]," in brown lett; brown lett on back cover. 14.6 x 11.3 cm. Wayne Leicht libr.

"Issued by Board of Supervisors of San Diego County..." Describes the principal county gemstones as tourmaline, hyacinth(grossular), beryl, topaz, and then gives brief details on other gemstones, with remarks on San Diego lapidaries, curious lore of gems, gold mining, and some business and commercial statistics. The wrapper is most attractive.

5712. SAN DIEGO GEM CO

Catalogue | 1906 | San Diego Gem Co. | (Incorporated) | [rule] | Capital Stock, 50,000 Shares Par Value, $1.00 | Full Paid, Non-Assessable | [rule] | Fred N.Hamilton, President | H.C.Gordon, Vice-President | Doc Wilson, Secretary-Treasurer | [rule] | Directors |...[7 names on 4 lines]...| [rule] | San Diego Gem Company | 1519 D Street San Diego, Calif. | Chamber of Commerce Building

Centerstapled: 15, [1]p; 8 photos(portr of Wilson is front); photo title & gem on front cover; wood engravs of gem-set rings inside back cover; map of state on back cover. 17 x 12.3 cm(6 5/8 x 4 7/8 in). Wayne Leicht libr.

Describes the native gems being sold by the company as well as others from outside the county; price list of cabochon, faceted gems; brief descriptions of San Diego gemstones. The hyacinth is actually grossular.

5713. SANDRART, JOACHIM VON(1606-1688)

Teutsche Akademie der edlen Bau-, Bild- und Malereikünste. 3 vols, Folio. Not seen. A FURTWÄNGLER, *Die antiken Gemmen*, 3, 1900, 407, cites a number of places in this work where engraved gems are treated; see also P J MARIETTE, *Traité de pierres gravées*, 1, 1750, 440, 468. Sandrart was a noted Ger painter, engraver, art historian, the above being his best known work: *Biogr Univ*, 40, 321-2.

5714. SANFORD, WILLIAM R

Jewelry: | Queen Of Crafts | William R.Sanford | The Bruce Publishing Company, New York | Collier-Macmillan Limited, London [1970; photo of a jewel pin upper right tp]

16°: [11], [1 blank], 196 p; 220 numb photos & drawings + 16 unnumb photos; 13 col photos on 2 bound-in glossy f not includ in pag. Grayish-green cloth, gilt spine title. 25.2 x 18.4 cm(9 7/8 x 7 1/4 in). Cut. LC 77-116783[sic].

Cont: 1/2 tp; tp; publ data; ackn; photo; tab cont; pref; 10 chs; append; gloss; biblio(p 188-90, 49 entries, 14 of which are lapidary); index.

How to make modern-style jewelry, many pieces being "free-form," forming a school manual and containing informative chapters on gemstones, Ch 9, 152-62, and lapidary work, Ch 10, 163-73. Both chapters, however, merely introduce the subjects, but do give advice of choice of gemstones in view of their color, patterns, and durability.

5715. SANKEY, J R

Queensland Gems. | [rule] | By Major J.R.Sankey. | [rule] | Read before the Royal Society of Queensland, 22nd December, | 1906. [wrap title]

Originally in: *Proc Roy Soc Queensland*, 20, 1906(1907), 61-73.

Centersewn: 12, [4]p; Pls IV-VII. Pale grayish-green print wrap, enclosed in outer dk green cloth wrap, gold lett & blind ruled frame on cover. 20.3 x 13.6 cm(8 x 5 3/8 in). Cut. JSL.

Lists a large number of species & varieties; provides remarks on diamond, sapphire, ruby, zircon, olivine, peridot, pearl, opal, quartz, beryl, turquoise, topaz, lapis lazuli and moonstone. Rare.

5715A. SANTIAGO, SINDOLFO DE ASSUMPÇÃO

Esmeraldas e diamantes - historantes romanticas,epicas,e fantasticas. Rio de Janeiro: Livraria Editora Catedra, in cooperation with Instituto Nacional do Livro Ministerio da Educação e Cultura Brasilia, 1979. Not seen.

5716. SANTELET DE LAGRAVIERE Étude sur les pierres précieuses suivie de l'Eruption du Vésuve en 1872. Avellino, 1876, 8°, 74 p, 2 maps. Not seen: from A LAVIS & JOHNSTON-LAVIS, *Biblio Geol and Eruptive Phenomena South Ital Volcanoes*, Naples, 1891, p 244.

5717. SANTINI DE RIOLS, E N

E.N.Santini De Riols | [rule] | Les pierres | magiques | Histoire complète des Pierres précieuses; | leurs origines; leurs vertus et leurs facultés; | leurs puissance occulte; leurs influences | diverses sur l'homme et les animaux; | philtres, remèdes qu'elles servaient | à composer; thérapeutique lapi- | daire; pierres aphrodisiaques, | et pierres anaphrodisiaques. | [rule] | Paris | Libraire Générale des Sciences Occultes | Bibliothèque Chacornac | 11, Quai Saint-Michel, 11 | [rule] | 1905

12°: [3], XXX p + p 31-173 + [1 blank], [1]p. Orig in paper(?). 17.4 x 11.2 cm(6 7/8 x 4 3/8 in). Cropped. Paper badly browning, embrittled. USGS Kunz Coll GS 34-271; JSL.

Cont: 1/2tp; tp; fwd; text; index; blank p; publ data; blank p.

The lengthy preface of 30 pages gives much information on Biblical gemstones, also magical stones as claimed by ancient authorities, birthstones, and including the poem, "Le Blason de la Marguerite," written by Jean de la Taille de Bondaroy in 1574 (which see), p XIV-XXI. All of this serves as an appropriate introduction to the text which is an alphahetical listing of all gemstones and stones said to be magical in their influence, or to possess value in the treatment of disease, and even including stones that are supposed to arouse sexual desire, or, conversely, to suppress it. The no less than 296 entries are supported in most instances by citations from past authors and include materials whose actual identities still remain matters of speculation. Obviously much research has entered this small book which is little-noticed and rare despite its recent date. In this connection, it is possible that rarity is due more to self-destruction of the poor paper than to any other cause.

5718. -----1945(?), Ital edit. Le pietre magiche. Milano, 1945. Not seen.

SANTOS, JOAQUIM FELICIO DOS (1828-1895)

B Serro, Minas Gerais, Brazil, mbr of distinguished family; stud in Faculty of Law, São Paulo, practised in Diamantina; also a journalist, esp in political/sociological matters; advocated radical govt reforms; his *Memorias* first appeared in the journal *Jequitinhonha*, 1862, reprinted in *Diario de Rio de Janeiro*.

5719. -----1863

Memorias | Do | Districto Diamantino | Da | Comarca Do Serro Frio | (Provincia De Minas Geraes) | Pelo | Dr. J.Felicio dos Santos | [orn] | Rio De Janeiro | Typographia Americana, rua dos Ourives n.19] [rule] | 1863

4°: 438, [2 blank]p. 19.6 x 12.5 cm(7 3/4 x 4 7/8 in). Cropped. USGS Kunz Coll; JSL.

Cont: 1/2tp; tp; pref; 42 chs; blank f.

Extremely detailed, scholarly account of the history of the discovery and exploitation of the interior of Brazil and the alluvial gold and diamond deposits, with accounts of events from the early Portuguese colonial period into the 19th century. It forms a much-respected and still useful history which emphasizes sociological and political problems, of which many were solved but others persisted up to the time of the author's life and inspired him to urge reforms in government. He provides valuable background to the development of gold and diamond mining, noting especially sources of workers and how they were treated during the heyday of mining. Much of this material is repeated in the French edition described below.

5720. -----1924 Memorias... pelo Dr.Joaquim Felicio dos Santos. Nova edição, com um estudo biographico de Nazareth Menezes. Rio de Janeiro: A.J.de Castilho, 1924. Not seen; from LC 29-4731: xxxi, 408, [8]p, 24 1/2 cm. This card mistakenly gives the date of the first edition as 1864.

5721. -----1931, Fr edit

Collection Ibéro-Américaine | [rule] | Le Diamant au Brésil | par | Joaquim Felicio Dos Santos | Traduit du portugais par | Manoel Gahisto | avec une préface du | Comte D'Affonso Celso | [logo] | Paris | Société D'Éditions "Les Belles Lettres" | 95, Boulevard Raspail | 1931 | [rule] | Tous droits réservés

16°: 289, [1 blank], [1], [1 blank]p. Mottled tan & brown thick paper wrap, cover & spine titles; publ logo & price on back. 20.2 x 13.2 cm(8 x 5 1/8 in). Uncut. Fr 20.-. LC 35-19942; JSL.

"Il été tiré de cet ouvrage 40 exemplaires hors commerce sur pur fil Lafuma, marqués H.C.I à H.C.XL, ainsi que 150 exemplaires sur pur fil Lafuma, numérotés de 1-150."

Cont: 1/2tp; publ data; tp; publ data; pref; 24 chs; tab cont; blank p.

The long and very interesting preface by Celso provides more information on Brazilian diamonds, especially on the Star of the South, Braganza, and Dresden stones, but is most valuable for

details of the career and publications of Santos. The date of the first edition is mistakenly given as 1866.

5722. -----1956, 3rd edit. Mémorias... 3.ed. Nota introdutória de Herberto Sales. Prefácio de Joaquim Ribeiro. Estudo biográfico de José Teixeira Neves. Notícia literária, bibliografia e apêndices de Alexandre Eulálio Pimenta da Cunha. Rio de Janeiro: Edições O Cruzeiro, 1956. 472 p, ill, portr, maps; facsimiles, 22 cm. "Coleção brasilica no.1." "Bibliografia do autor" p 408-12. "Bibliografia sôbre o autor" 412-24. Not seen; from LC 58-18351.

5723. SANTOS MUNSURI, ARGIMERO

[Cover title:] La Esmeralda | Las Gemas Y Otras | Materias Preciosas

[Inside titles:] [p[3]:] Las Gemas | Otras Materias | Preciosas [followed by, p[5]:] La | Esmeralda [and, P.7:] Por | Argimiro Santos Munsuri | Jefe De La Oficina Técnica De Estudios Gemológicos | Y Artisticos En La Dirección General De Aduanas | Publicación Del | Instituto Gemológico Español | Madrid [1968]

Cementb: 121, [2]p (first f blank) + [3 blank]p; 81 col ill, 2 fig, 1 col chemical formula diagr. Thick paper wrap, inward-fold flaps; gold front cover with col photo emerald crystals, col logo & b&w lett; back cover plain white; white spine, black lett. 29 x 23 cm(11 3/8 x 9 in). Cut. Glossy paper. In 4,000 numb copies; another 40 unnum copies for private distrib by author & collaborators. The "perfection" binding is so poor that copies split upon opening; in my copy, it was necessary to sew the sheets.

Cont: blank f; title(spread over 3 f); ill list; tab cont; blank f with copy no; pref; col pl; prolog; dedic; part tp; text in 3 parts; biblio (p 121, 69 entries); publ note; blank p; blank f.

Very handsome, imaginatively designed book, with the unusual feature of the title being spread over three pages. Apparently this work was meant to be the first of a series of monographs on gemstone families but up to date(1988) no others have appeared. The first part treats emerald history, in the East, as known to Pliny, origin of the name, curious lore surrounding, famous emeralds, and the color and causes. The second part describes world emerald deposits with most space naturally devoted to the Colombian mines, type crystals, and a discussion of trapiche crystals. The third part provides property data, considerable detail on inclusions in emerald, doublets & imitations, and the methods of gemological investigation. Next appear four tables of constants of natural & synthetic emeralds, comparisons of emerald to other similarly-colored stones or imitations, and fluorescence of emeralds from various deposits. The bibliography, unfortunately, is replete with errors in contrast to the text which is relatively free of defects. The mostly high quality illustrations show natural specimens, minerals that could be mistaken for emerald, cut stones, a Russian postage stamp depicting Siberian emerald, jewelry set with emeralds, absorption spectra, and many photographs of inclusions but these last lack the quality of the other illustrations. Rev R K Mitchell, *J Gemm*, 11, 7, 1969, 272-3, notes errors in biblio & elsewhere.

5724. SANTOS PIRES, ANTONIO OLYNTHO DOS

Viagem aos terrenos diamantiferos do Abaeté. *Annaes de Escola de Minas de Our Preto*, Minas Geraes, Brasil, 4, 1885, 91-164. Not seen.

5725. SAPIN WORKS LTD, THE

The Sapin Works Ltd. | [rule] | Diamond Polishing | [rule] Wrap title only; "Head Office: 67, Hatton Garden, London, E.C.1." Nd, but present copy inscribed "Oct 1943."

Centerstapled: 17 p; several dozen line drawings. Dull green wrap. 25.4 x 20.1 cm(10 x 7 7/8 in). Cut. JSL.

Instructional pamphlet for trainees; topics include properties of diamond, then step-by-step procedures, to final polishing of facets.

5726. SARETT, MORTON R(1917-1984)

The | Jewelry | in | Your Life | Morton R.Sarett | Nelson-Hall [logo] Chicago [1979; title in single-rule, rounded corner frame]

Oblong 8°: [9], [1 blank], 144, [6 blank]p; 12 col photos against black grounds on 6 glossy f bound-in betw p 86-7; 103 text ill(photos & line drawings). Black, cloth-type paper over bds; silver spine title. Black dj, col jewel on cover; flap resume, author vita, portr. Pale blue endp. 20.3 x 25.3 cm(8 x 10 in). Cut. ISBN 0-88229-367-2; LC 78-5900. JSL.

Cont: 1/2tp; publ data; tab cont; introd; 14 chs; index; 3 blank f.

Informal and often entertaining account of the major gemstones and jewels, their features & history, also remarks on watches, gold, silver, and platinum, and a final chapter that answers commonly-asked questions. Much space is devoted to the diamond, also pearl, ruby, sapphire, emerald, birthstones, the less common gemstones, rings, today's jewelry, etc. The technical material is minimized while lore, customs, famous persons and jewels, and other cultural aspects are emphasized. The author was an attorney in New York City and President of the Jewelry Industry Council.

SARJEANT, W A S., see FORD, T D

5727. SARMENTO, JACOB DE CASTRO, wrote "Historical accounts of the discovery of gold and diamonds in Minas Geraes, cited in "Materia Medica"," London, 1735: gold p 9-14, diamonds p 149-54, crystal p 192-3, lodestone p 196. Not seen; from A D Gonsalves, 1928, p 173.

5728. SARTY, L Les pierres précieuses et les perles. Paris: Nicaud, 1901. 16°: 108 p, 3/4 cloth. Not seen; from a bookseller's catalog of 1953.

5729. SASAKI, C, et al. Report on the study of the Mikimoto culture pearl. Imperial Association for the Encouragement of Inventions, Tokyo(?), 1926, 20 p, 1 pl. Not seen.

5730. SATALOFF, JOSEPH & RICHARDS, ALISON

The Pleasures of | Jewelry | and | Gemstones | Joseph Sataloff | and Alison Richards | [logo] | Octopus Books [London: 1975; title in red & black, printed recto on a 2-page col photo]

Cementb: 96 p; 146 col photos; 1 b&w photo; 4 tinted drawings. Pale gray cloth-type paper over bds, with col drawings of bejeweled "flappers" of the 1920's on covers; black spine title. Col dj, col photos on covers & flaps; resume. Blue endp. col photo of silver specimens spread over both leaves. 31.8 x 23.5 cm(12 1/2 x 9 1/4 in). Cut. ISBN 0 7064 0384 3. £ 2.50.

Cont: 1/2tp printed over col photo; doublep col photo & title; col photo; tab cont with essay & publ data; text; index & ackn.

Essentially a picture book of jewelry from all periods tied together with a thin running text. The photographs are good to superb, many depicting objects in magnified detail. While gemstones are featured prominently throughout, a special section devoted to them appears only on p 86-95. Here are found excellent color photographs of cut and rough gemstones in the collection of the Institute of Geological Sciences, London, as well as a few taken specially for this work, The tinted drawings also appear here and depict diamond cutting, facet gem cut styles, and cross-sections of assembled gems. The book is a visual treat but contains little textual substance. Rev *J Gemm*, 14, 7, 1975, 349.

5731. SAUDI ARABIA. MINISTRY OF PETROLEUM AND MINERAL RESOURCES

Catalog | Of Saudi Arabian | Stone - 1401H | SP-1 |...[tab cont]...| [seal of the kingdom] | Deputy Ministry for | Mineral Resources [no place: Jiddah(?); nd, 1980(?)]

Cementb: [2], 52, [2 blank]p; the last blank f is cemented to inside of back wrap. Sheets enclosed along spine with white cloth, with cemented attachment to back wrap but not along hinge or front wrap, the latter swinging free. 23 fullp col photos recto, with 23 small index maps versos, the latter with col dots. The color pls cut-out along right margins to provide visual reference to stones. Thick, glossy paper. Stiff, col wrap, title on front. 29.6 x 19 cm(11 5/8 x 7 1/2 in). Cut. JSL.

Cont: tp & tab cont; officer list; text; stone type list; descriptions & photos of same; ackn; blank f.

A catalog of Saudi Arabian ornamental stones illustrated by very handsome photographs in natural grain size with facing comments on nomenclature, deposit location, petrography, comparison with other natural stones, properties, finish, applications, etc. Stones are granites, a gabbro, an anorthosite, a limestone, and several marbles to which are added several "reconstituted" stones which are also pictured in color and provided with similar descriptive information. Unfortunately "perfection" bound and falling apart.

5732. SAUER, DANIEL A Emeralds from Brazil. In: *International Gemological Symposium Proceedings 1982*, edit by D M Eash, Gemological Institute of America, Santa Monica, CA 1982, p 357-77, 7 tab, 5 figs(maps), 4 col photos. Collects information on important emerald deposits: geology, mineralogy, mining, processing of rough, sizes, values, production.

5733. SAUER, HANS

Ex Africa... [sic] | By | Hans Sauer | Geoffrey Bles | Two Manchester Square | London [1937; title in double-rule frame]

8°: v, [1 blank], [1], [1 blank], 335, [1]p; glossy front portr tip-in pl + 11 glossy photo pls tip-in; fold sketch map of S Africa tip-in facing p 1. Brownish-red unfin cloth, gold lett & logo on spine; red dj, vita, advert. 24.1 x 15.6 cm(9 1/2 x 6 1/8 in). Te stained yellow; be untrimmed. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; ill list; fold map; 14 chs; index.

Dr Sauer describes his life in South Africa from childhood on a Boer farm to his position as agent to Cecil Rhodes. There are many references to diamonds and diamond mining throughout the text but the principal references appear in chs 2, 27-50 and 5, 93-103. All of it contains firsthand information of considerable value. Compared to similar biographical works of the period, Sauer's book is scarce.

5734. SAUER, JULES ROGER

Brazil | Paradise of Gemstones | by Jules Roger Sauer | Photographs by Harold & Erica Van Pelt [Np, Rio de Janeiro(?); priv publ 1982]

8°: 136 p; 5 b&w photos; 100 col photos & col sketch maps(localities) spread over 2 p. Dk green cloth-type paper over bds, gold cover & spine titles; col photo endp. Black dj, col photo & white title on cover & spine. 25 x 18 cm(9 7/8 x 7 in). In light cardbd slipcase; title & address of author on side. Ca $20.00. JSL.

Cont: 1/2tp; publ data & ackn; fwd; introd; text; map; gloss; tab cont.

Handsome, beautifully-illustrated popular presentation of Brazil's gemstones and the cut gems made from them, written by a scion of the long-established Rio de Janeiro firm of gem dealers. The book is remarkable mainly for the splendid Van Pelt color photographs which were taken specially for this book and far less notable for the rather cursory text which provides notes on properties, genesis, and some of the better-known occurrences of Brazilian gemstones. The introduction discusses esteem of gems, acceptance today of the so-called "semi-precious" stones, discovery & rise of the mining industry in Brazil, and its modern developments which include establishment of a large and flourishing gem cutting and jewelry industries. Specific gemstones treated are diamond, beryls, tourmalines, topazes, chrysoberyls, opals, spodumenes, and brazilianite, with the largest space devoted to the crystalline and chalcedonic quartzes. Many other minor and rare species are also briefly discussed, with a final note on carvings made from gemstones and gold. Rev P C Keller, *G & G*, la, 4, 1932, 243.

In *pers comm*, Sept 16, 1983, Mr Sauer confirmed that he is the publisher and that the book was printed and manufactured in Rio de Janeiro: "next month a German edition will appear, together with the second print of English and Portuguese. I intend to have it published as well in Japanese, French and Spanish."

5735. -----1982, Portuguese

Brasil | Paraiso de Pedras Preciosas | Jules Roger Sauer | Fotografias por Harold & Erica Van Pelt [1982]

There are considerable differences in the introductory wording and the arrangement of gemstones due to differences in spelling; otherwise pagination, illustrations, binding, etc are similar.

5736. -----1983(?). Italian Brasile, paradiso delle gemme. Traduzione in italiano dell'opera originale di J.R.Sauer a cura di Domenico Nicita, 133 pagine, 100 illustrazioni a colori... Not seen; taken from advert flyer.

5737. -----1985(?)

Brazilian | Gems and | Jewelry | Amsterdam Sauer [White title from cover only, on photo (emerald crystals & jewelry) in col; np. nd]

Oblong, centerstapled: [40]p includ wrap; 35 col photos & illust. 11 x 15 cm(4 3/8 x 5 7/8 in). Cut. JSL.

Handsome small give-away brochure, with many excellent color photos of rough, cut, and jewelry-set Brazilian gemstones, from emerald, aquamarine, tourmaline, topaz, and diamond, to amethyst, citrine, blue topaz, and precious opal.

SAUL, J M, see KONTA, J, 1976

5738. SAUTELET DE LAGRAVIÈRE, M E

Etude | Sur | Les Pierres Précieuses | Suivie De | L'Éruption Du Vésuve En 1872 | Par M.E.Sautelet De Lagravière | Docteur-ès-Sciences | [orn rule] | Avellino | Imprimerie De Vincent Maggi | 1876, | [double rule] | Tous droits réservés.

8°: 74, [1], [1 blank], [1], [3 blank]p, 26.2 x 17.8 cm(10 1/4 x 7 in). Uncut. Plain green wrap. USGS Kunz Coll, GS 34-693.

Cont: tp; dedic; pref; text on gemstones to p 66; Vesuvius to p 74; errata; blank p; other works of author; 3 blank p,

Short general gemological treatise: properties, identification methods, birthstones & curious lore, the diamond & famous diamonds, the Exposition Universelle of 1867 in Paris, remarks on other gemstones and organics. Light reading with little substance.

5739. SAUTER, MARC Sur une industrie en cristal de roche dans le Valais néolithique. *Archives suisses d'Anthropologie générale*, 24, 1-2, 1960(?), 18-44. Not seen: Hahnloser & Brugger-Koch, 1985, 5.

5740. SAVAGE, GEORGE(1909-)

George Savage | Chinese Jade | A concise Introduction | Cory, Adams & Mackay ["Collectors Guidebooks;" London SW 1, 1964]

8°: vi, 72, [2]p; 32 photos on 16 glossy f bound-in after text; 4 col photos on 4 bound-in glossy f, one serving as front; 13 text fig. Pale greenish-gray mottled paper over bds; black cloth spine, gilt lett, logo, rules. White dj with col photo of horse on cover; resume; vita; other ser bks. 20.4 x 13.7 cm(8 x 5 3/8 in). Cut. 30s. JSL.

Cont: ser tp; front; tp; publ data; ill list; introd; 14 chs; 3 appends; biblio(p 69, 12 entries); index; pls tp; pls. There is no tab cont.

A very good summary of the subject, beginning with a chapter on the nature of jades, their properties, colors, occurrences, etc, followed by chapters on jade in China from prehistory to the present, then other chapters on the various types of objects and the symbolism in their decoration. The last chapter is a useful guide to beginners when buying jades. The appendices provide a list of dynasties, drawings of the 8 Buddhist emblems, and the Mohs scale of hardness. There are mistakes in the first chapter concerning scientific aspects of jade geology & mineralogy. Photographs of jade objects are excellent.

5741. -----1965, New York. Chinese jade, a concise introduction. New York: October House, ca 1965. vi, 72 p, 32 pls, part col; yellow cloth, cover title, spine blank. 21 cm. Price $5.25. LC 65-11507. Not seen; from G M Born, p 305.

SAVILLE, MARSHALL HOWARD (1867-1935)

USA archeol; b Rockport, MA; attend Harvard U; DSc U San Marcos, Lima, Peru; archeol explorations Yucatan, Honduras, Mitla & Oaxaca, Peru, etc; hon cur Mex & Central Amer Archeol, Amer Mus Nat Hist, NYC; prof Amer Archeol Columbia U; Staff, Mus Amer Indian, NYC. DAB 21, 647-8.

5742. -----1922

Turquois Mosaic Art | In Ancient Mexico | By | Marshall H.Saville | [logo] | New York | Museum Of The American Indian | Heye Foundation | 1922

"Contrib Mus Amer Ind, Heye Found, vol 6."

8°: xviii, 110, [2 blank]p; 40 pls(2 col, part fold, one is front); 19 fig. Green wrap, title on cover. 24.7 x 15.8 cm(9 3/4 x 6 1/4 in). LC 23-11551. JSL.

Cont: ser tp; 1/2tp; front; tp; press data; dedic; pref; tab cont; ill list; introd; 6 sects; concl; notes; biblio(103-10, 38 entries); blank f.

The most thorough study made on this aspect of lapidary art among the Precolombian Indians, but see also the smaller work by E Carmichael, 1970. There are several excellent color plates and high quality black & white photographic plates which show a number of inlaid objects in good detail. The historical data were extracted from early Spanish accounts. The text discusses possible sources of turquoise and the important objects still preserved in museums around the world. An excellent description of Mexican lapidary work appears on p 29-39. Very scarce.

5743. SAVILLE-KENT, WILLIAM

The Great Barrier Reef | Of Australia; | Its Products And Potentialities. | By | W.Saville-Kent, F.L.Z., F.Z.S., F.I.Inst., | Past President Royal Society of Queensland |...| Containing - | An Account, With Copious Coloured And Photographic Illustrations (The Latter Here Produced | For The First Time), Of The | Corals And Coral Reefs, Pearl And Pearl-Shell, Bêche-De-Mer, | Other Fishing Industries, And The Marine Fauna | Of The | Australian Great Barrier Region. | [double-rule] | London: | W.H.Allen & Co., Limited, 13, Waterloo Place, S.W. [1893]

4°: xvii, [3], 387 p; 61 photo-mezzotypes on 48 bound-in f, each with tissue(one is front); 16 bound-in chromolithograph pl; 18 fig(photos & sketches); fold nautical chart reprod cemented to back flyleaf. Blue cloth, streaked in paler blue; blind orns on 2 diagonally-opposite cover corners; title & author in gilt on cover & spine; bev bds. Black endp. 34.7 x 25.7 cm(13 11/16 x 10 1/8 in). Cut.LC 15-12325; JSL.

Cont: 1/2tp; other work of author; tp; publ data; dedic; quot; pref; tab cont; 2 pls lists; introd; 9 chs; descript of chromo pls; appends; index; map.

This is a highly esteemed and still much sought for work by the eminent naturalist of Queensland who was especially interested in microroganisms as well reef-building animals. While most of the emphasis and illustrations are laid upon the coral-lines and the reefs erected by them, the gemologist will find authoritative material on pearl-fishing in Ch 5, which treats both the pearls, their hosts, and the industry, with some statistics of production and an account of his experiments to transplant several species of pearly mollusks in order to re-establish them upon the banks but not in waters in which they originally were native. As a result of his endeavors he was instrumental in seeing some of his recommendations on the conduct of the pearling industry enacted into law. Additionally, there are a few remarks

on the future of the industry embodied in Ch 9. The photographic illustrations are of remarkable clarity and sharpness while the colored plates, prepared from drawings made by Saville-Kent are far less distinct in detail but presumably accurately reflect the essentials of the objects portrayed and in their true colors.

5744. SAVKEVICH, SVIATOSLAV SERGEEVICH

Yantar | [rule] | S.S.Savkevich | [logo] | [rule] | Izdatelstvo "Nedra". Leningradskoe Otdelenie. Leningrad · 1970

16°: 189, [3]p; 46 fig; 20 tab. V pale lemon-yellow unfin cloth, title in black with gold rule & gold author's name on cover; black title & gold scrolls on spine, 21.5 x 14.2 cm(8 1/2 x 5 5/8 in). Cut. Press run 1,700. 97k. LC 77-559797. JSL.

Cont: tp; resume; dedic; pref; introd; text; biblio(p 182-90, 79 entries in Russ, 154 other); tab cont; publ data,

On nomenclature, mineralogical problems, and history of investigations into the nature and origin of amber, citing authorities from antiquity to the present and thus providing a valuable check-list of cogent literature, esp in Russian. Topics: occurrences, deposit geology, internal structure and other characteristics and features of amber, emphasizing Baltic amber, the morphologies of rough specimens and possible relationships of external forms to inner texture and possible formation within cavities in wood. Also provided are data on optical & physical properties, chemistry, IR absorption, etc, Other ambers besides succinite are considered. Aside from a short section on small sculptures made from amber the work is entirely scientific.

5745. SAWYER, A R Mining at Kimberley. *Trans N Staffords Inst Min & Mech Eng*, 10, 1889, p 74(42 p). N MONICA SOUTHEY, 1946, gives "46" p, but this may include preliminaries, if a reprint was examined.

5746. SAXE COBURGO GOTHA, PEDRO AUGUSTO DE Algumas palavras sobre o quartzo no Brasil. Rio de Janeiro: Typ. G.Leuzinger, 1880, 21 p. Not seen, from Iglesias & Meneghezzi, 1959, p 266.

5747. SAXIUS, FRIDERICUS EHREGOT, recte SAX, FRIEDRICH EHREGOT

Q.B.V. | De Mvrrinis | Vetervm | Disqvisitionem | Ampliss. Philo. Ordinis | Consensv | Svb Praesidio | Ioh. Frider. Christii | Poes.Prof. Pvbl.Ordinarii Histor | Extraord. Et Min.Principvm Collegio | Collegiati | In Academia Lipsiensi | Pvblico Cvm Ervditis Colloqvio | Defendet | Frider. Ehregot Saxius | Eppendorpio Misnicvs | [rule] | D.IIII Maii A.C.N. CIↃ IↃCC XXXXIII | [rule] | Lipsiae | Ex Officina Langenhemia [Leipzig, 1743]

4°: title f + 56, [2]p; A-F⁴, G³, H²; fold engrav pl. 21.8 x 18.2 cm (8 1/2 x 7 1/8 in. Cropped; orig in gray paper wrap(?). Woodcut head- & tailpcs. JSL.

Cont: tp; text; questions posed by Christ; pl.

An academic dissertation presented before Johann Friedrich Christ(1700-1756) at the University of Leipzig on the probable identity of murrhine, a material mentioned by Pliny and said to be much favored for containers by the Romans but whose identity is still not known. The text analyses the views of previous writers on the subject and finishes with a poem on porcelain(one of the murrhine materials suggested) which is then followed by a summary of ancient authorities who had something to say on murrhine, including Cardan, Scaliger, and Nicolas Guiberto. The plate depicts two vessels, one a water bottle, which are discussed in the text(p 34).

SAXO, ARNOLD, see ROSE, V, 1875

5748. SAYAR, M & ERGUVANLI, K

İstanbul Teknik Üniversitesi [star] Maden Fakültesi a [rule | Türkiye Mermerleri | Ve | İnşaat Taşlari | Yazanlar | [to left:] Ord.Profesör | M.Sayar [to right:] Doçent | Dr.K.Erhuvanli | Içinde 9 harta, 47 şekil ve 34 renkli Klişe vardir. | (Renkli Klişeler Maarif Basimevinde basilmiştir) | Kutumuş Matbaasi, İstanbul - 1955

8°: VI, [1], [1 blank], 130 p; 34 col photos on 17 glossy f bound-in at end; 47 fig; 9 maps. Thick white paper wrap, cover title. 23.4 x 16.8 cm(9 1/4 x 6 5/8 in). Cut. BM(NH) Libr.

Cont: tp; pref; tab cont; text tp; text; biblio(125-6, 28 entries); index; pls.

On the marbles and building stones of Turkey, including attractive calcite onyxes, travertine, and serpentine. The col plates show polished slabs.

SBORGI, FRANCO, see BLACK, A

5749. SBORNIK NARODNIHO MUZEA V PRAZE(Acta Musei Nationalis Pragae), vol 29B, 1973, nos 1-2, and nos 3-5, p 1-170, many pls, maps, figs. Issued 1975 upon the occasion of a symposium on precious stones, held in the National Museum in Prague, Czechoslovakia. Below appear the articles in various languages with English summaries where appropriate.

1 LASHKEVICH, A Decorative and precious stones of Poland(chalcedony, amber, nephrite, quartz, chrysoprase, marble, etc, p 3-12).

2 STEENSTRA, B Edelsteine in Afrika (general survey; geological sections & plans, 13-33).

3 SØRENSEN, H & PETERSEN, O V Edelsteine und Halbedelsteine von Grønland(mainly tugtupite, assoc decorative rocks, 35-42).

4 BARIĆ, L Korund aus der Umgebung von Prilep in Mazedonien(Jugoslawien) (Yugoslavian red corundum, 43-7).

5 RAVASZ, C Regeneration of precious opals (restoration of water content after fire dehydration, 49-53).

6 COOMANS, H E Pearl formation in gastropod shells, 55-64.

7 KOSTOV, I Variability of the crystal forms of some gemstones (beryl, diamond, corundum, topaz, 65-75).

8 SCHUBNEL, H J & ZARKA, A Etude des defauts de cristallisation de quelques beryls et corindons gemmes naturels et artificiels (studies of crystal defects in beryls(& emerald) and corundums, natural and synthetic, 77-85).

9 STEENSTRA, B Legendes et superstitions concernant les pierres précieuses (curious lore, 87-102).

10. KOUŘIMSKÝ, J Survey of precious stones from Czechoslovakia, 105-10.

11. TUČEK, K Genesis and localities of precious stones from Podkrkonoši (Czechoslovakia)(crystalline quartz & chalcedonies, 111-20).

12 BŘEZINOVA, D Paleobotanical appartenance [sic] and the way of fossilization of silicified woods, 121-30.

13 BUTKOVIČ, Š The mining history of opals in Dubník, 131-6.

14 KOPECKÝ, L Pyrope - the Bohemian garnet, 137-50.

15 KOUŘIMSKÝ, J Occurence of diamonds ln Bohemia, 151-6.

16 NOVÁK, F & VAVŘIN, I Gem varieties of corundum at Mala Jizerska Louka, Jizerske Mountains, northern Bohemia(Czechoslovakia), 157-62.

17 BOUŠKA, V Moldavites as precious stones, 163-70.

5750. SCALISI, PHILIP & COOK, DAVID

Classic | Mineral Localities | Of The World | Asia and Australia | Philip Scalisi | David Cook | [logo] Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [New York, 1983, actually 1982!]

16°: xvii, [1 blank], [1], [1 blank], 226, [8 blank]p; 48 col photos on 4 glossy bound-in f; 29 sketch maps; 145 crystal drawings; 140 photos, 13 other ills; tab. Black paper over bds, white spine title; white dj with col photos on front; resume, author vitas, other publ bks. 25.3 x 17.3 cm(10 x 6 3/4 in). Cut. LC 81-11461; ISBN 0-442-28685-6. $29.50.

Cont: 1/2tp; tp; publ data; dedic; fwd; pref; ackn; tab cont; text tp; text; general biblio(p 217-8, 78 entries); index; 4 blank f.

Surveys major mineral specimen sources in Japan, China, Burma, Sri Lanka, India, Afghanistan, Iran, USSR, and Victoria, New South Wales, Queensland, South Australia, Western Australia, and Tasmania. There are sketch maps of the countries and of the specific deposits, with photographs of scenes, mines, mineral specimens, and in the case of gemstones, at times showing illustrations taken from other books, along with remarks on the deposits, history of mining, geology & mineralogy, specimens found, and other details. Gemstones include: danburite, beryl, topaz from Japan, gem gravels of Burma, jadeite from Burma, gem gravels of Sri Lanka, Kashmir sapphire from India, and with much wordage on the history of diamond mining in India, citing Tavernier among other authorities and visitors, and with drawings and notes on famous diamonds from India. Pegmatite deposits of Afghanistan yield gem quality crystals of tourmaline, beryl, spodumene, elsewhere the famous lapis lazuli. Much space is also given to Iranian turquoise. Gem deposits in the Ural Mountains of the USSR, also lapis lazuli of Lake Baikal region. Elsewhere, precious opal deposits in Australia and brief remarks on the corundum deposits of Queensland. Most of the crystal drawings, somewhat blurred, are taken from V Goldschmidt *Atlas de Krystallformen*. Other illustrations are mostly fair with color illustrations not always being faithful to originals. This work is the first of a proposed series that would cover the entire world, but only issued on a trial basis; as of Spring, 1991, no other books in this series appeared.

5751. SCAN D N

The Scandinavian Diamond Nomenclature | And Grading Standards | (Scan. D.N.) | Comprising | Denmark, Finland, Norway and Sweden | Official version | Published by the Scandinavian Jewellers' Associations | Preface |...| The Scandinavian Diamond Nomenclature Committee | Herbert Tillander, Chairman |... ["Printed...Helsinki 1970 Copyright Scan.D.N. Committee"]

Loose, fold sheets: [1]f(cover) + 49 p + [1]f(cover); over 100 line drawings of cut diamonds, with or without col defect marks; also photos, graphs. 29.75 x 21 cm(11 5/8 x 8 1/4 in). Cut. £ 7.00. JSL.

Cont: cover; tab cont; tp & pref; definitions; commercial descriptions; styles of cut; the Scan D N standard cut; col grading; clarity grading; cutting standards; commercial descriptions; graphs; symmetry details; synthetic diamonds.

Described in detail by H Tillander, *J Gemm*, 12, 5, 1971, 167-70; rev, ibid, 182. I have seen the Japanese version, 1970, cementb: 50 p + [1]f, part col ill; cloth, and in plastic slipcase. JSL.

5752. SCARFE, HERBERT

Collecting and Polishing Stones | Herbert Scarfe | B.T.Batsford Limited [London: 4 Fitzhardinge Street, Portman Square, W 1, 1970]

8°: 88 p; 47 fig(mostly sketches); 2 locality sketch maps(Brit Isles); 2 col photos on 2 bound-in glossy f not includ in pag. Black cloth-type paper over bds; gold lett spine. Col dj, photo of gems & white lett on front; photo on back; flap resume, vita, other publ bks. 20 x 20 cm(7 7/8 x 7 7/8 in). Cut, £1.60(32s). ISBN 7134 2283 1. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ackn; introd; 12 chs; societies & suppliers list; index; biblio(p 88, 9 entries).

After Jerrard's *Amateur Lapidary*, 1969, this is the second amateur lapidary book to be published in England. After a brief, indeed, meager and sometimes misleading introduction to the nature of minerals and rocks, Scarfe discusses a few gemstones found in the British Isles and furnishes a list of localities. On firmer ground, he describes clearly and accurately the techniques needed to successfully process cabochon rough to finished stones, covering use of hand-cutting, how to make machinery, description & evaluation of commercially-available machines, tumbling, and then detailed instructions on making cabochon gems. A short chapter discusses imported rough and the last chapter the usefulness of lapidary instruction in schools, the author himself being Head, Art Department, of a senior high-school at Kingston-upon-Hull. Rev *Austral Gemm*, 10,12, 1970, 19; *Gems*, 2,4, 1970, 23.

5753. -----1972

Cutting And Setting Stones | Herbert Scarfe | B T Batsford Limited [London: 4 Fitzhardinge Street, London W1H OAH; 1972]

8°: 95, [1 blank]p; 75 fig(mainly line drawings); 2 col photos on 2 tip-in f not includ in pag. Maroon paper over bds, gold lett spine. Col dj, col photos both covers, resume, vita front flap; resume of book back flap. 20 x 20 cm(7 7/8 x 7 7/8 in). Cut. £1.60. ISBN 0 7134 2302 1. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ackn; introd; 9 chs; biblio(p 94, 27 entries); suppliers list; blank p.

Covers the principal types of cutting with accompanying sections on jewelry making for each but too much ground is covered and not enough is said about any portion except for cabochon cutting with which the author seems most familiar. The first chapter describes gem materials(sometimes inaccurately) and is followed by a chapter on preparation of rough for the various types of lapidary work. Other chapters treat cabochons, flats, faceted stones, tumbled gems, natural crystals set in jewelry, design of jewelry, and tools & accessories for the beginning jeweler. Excellent line drawings and photographs that are most helpful. Rev, *Gems*, 4,6, 1972, 19.

5754. -----1972, New York Cutting And Setting Stones... Watson-Guptill Publications - New York [165 West 46 Street, 1972]. $8.95. LC 72-3356; ISBN 0-8230- 1150-X.

5755. -----1974 Lapidary in a nutshell. Tumble polishing * cutting cabochons * facetting. A 'Gems' reprint. Centerstapled: 44 p, ill, adverts p 37-44. Col wrap. 17.6 x 14.9 cm(6 7/8 x 5 7/8 in). Cut. 35p. JSL. Reprints series of articles from *Gems - The British Lapidary Magazine*, Broadstairs, Kent, 1974. Rev *Gems*, 5, 1, 1973, 46, 48.

5756. -----1975

The Lapidary | Manual | Herbert Scarfe | B.T.Batsford Ltd | London & Sydney [title in black with white lett; 1975]

12°: [7], [1 blank], 172 p; 4 glossy bound-in col pls; 147 fig. Blue cloth-type paper over bds, gold lett & logo on spine. Col dj with resume, vita. 24.7 x 18.7 cm(9 3/4 x 7 3/8 in). Cut, Gathered in sixes. £5.50. ISBN - 7134 3046 X. JSL.

Cont: 1/2tp; tp; publ data; ackn; tab cont; text tp; 8 chs; append of 5 tab; biblio(p 166-7, 41 entries); suppliers list; index.

A sound, easily understood text that reflects the author's growing expertise in an increasing number of phases of lapidary work. Topics: choosing gemstones, abrasives & polishes, machinery, home workshop, steps in lapidary work, treatment of specific materials, carvings and other ornamental objects or use of special techniques of ornamentation as engraving, inlay, etc. Appendix: facet angles, immersion fluids, grinding wheel mounting, equipment speeds, tumbler barrel speeds. Rev *Gems*, 8, 1, 1976, 32.

5757. -----1976, New York

Techniques of | Gem Cutting: | A Lapidary Manual | Herbert Scarfe | Watson-Guptill Publications [New York, 1966, recte, 1976].

LC 75-6993; ISBN 0-8230-5095-5. Essentially identical to above.

5758. -----1979 Advanced lapidary techniques. London: Batsford, 1979, 143 p, b&w and col ill. £8.95. ISBN 0 7134 0398 5, Not seen; rev by M O'Donoghue, *Gems*, 12, 1, 1980. The term "advanced" refers mostly to more difficult styles of cutting; "the Vargas and Sinkankas books are much better value and should be preferred."

SCARISBRICK, D, see BOARDMAN, J, 1977; also TAYLOR, G

5759. SCHABILION, SHIRL

All In A Nutshell | The Story Of | The Vegetable Ivory Nut | [pen & ink sketch of nut harvester] | Shirl Schabilion [enclosed in side orns] [nd, ca 1980?; cover title only]

P[1]: "Published by Keystone Comedy | an affiliate of Mississippi Petrified Forest | P.O.Box 98 | Flora, Mississippi 39071"

Centerstapled: p [1] + blank p + p 2-42 + blank p; ca 50 ill(line drawings, photos, sketches). Pale tan thick paper wrap, cover title. 21.5 x 13.7 cm(8 1/2 x 5 3/8 in). $3.00. JSL.

Interesting, informative, and useful popular guide, written with humor, about the ivory nut from the South American palm *Phytelephas macrocarpa*, and related nuts from other palms, nature, properties, uses in carvings and ornaments of small size.

5760. SCHAFER, EDWARD H

Tu Wan's | Stone Catalogue | Of Cloudy Forest | A Commentary and Synopsis | By Edward H.Schafer | University of California Press | Berkeley and Los Angeles 1961 [year in pale olive-green, remainder black]

8°: [2 blank], [9], 116, [4 blank]p; 3 ill on 2 bound-in f; 7 ch orns(of decorative rocks). Pale olive-green cloth, overlapping ca 1/2 the covers, the remaining area covered by v pale olive-green patterned paper; Chinese characters & lett in green on cover & spine with small rock design; Olive-green dj, white rock design, black Chinese char & lett; back cover other bks of publ. 23.4 x 15 cm(9 1/4 x 5 7/8 in), Cut. LC 60-10361. JSL.

Cont: blank f; 1/2tp; tp(in Chinese?); tp; publ data; dedic; tab cont; ill captions; 6 chs; index of Chinese names; 2 blank f.

Tu Wan's treatise on decorative & ornamental stones was written about 1126 AD, and Schafer believes it to be the first of such lapidaria to be published in China. S H Hansford, *Chinese Jade Carving*, 1950, 38, also mentions this work, dating it to 1133 AD, and noting that "mention is first made of the quarrying of jade from rocky ground in the Khotan country by Tu Wan in his lapidarium." The first five chapters discuss Chinese tastes in regard to naturally or artificially sculptured stones used as decorative objects, either outside or inside residences, from the 12th century onward, with detailed and insightful commentaries on the author, his treatise, and the technology of the rocks themselves. The language of the catalog is given in translation along with the commentaries. The final chapter discusses some 114 types of stones, some no longer certainly identifiable, but others identified by Schafer as serpentine, marble, alabaster, moonstone, petrified wood, varieties of chalcedony, rock crystal, malachite, lapis lazuli, jet, and coral. Rev S H Hansford, *Bull School Oriental & African Studies*, London U, 25, 1962, 390-1; H Köster, *Sinologica*, 7, 1962, 62-4; Hui-Lin Li, *Artibus Asiae*, 25, 1952, 81-2; M Loehr, *J Amer Orient Soc*, 82, 1962, 262-4; Msio-Yen Shih, *J Asian Studies*, Mich U, 21, 1962, 231. Yang 1850.

5761. SCHÄFER, WOLFRAM Die kolumbianischen Smaragdlagerstätten Muzo und Chivor. *Lapis*, 9, 4, 1984, 9-23, maps, col photos. Excellent review article based on recent information: geology, history, mining methods, etc. JSL.

SCHAFFER, P, see A LA VIEILLE RUSSIE, 1983; also SOLODKOFF, A v

5762. SCHAIRER, JOHN FRANK(1904-1970)

The Minerals Of Connecticut | By | John Frank Schairer, Ph.D. | Physical Chemist, Geophysical Laboratory, | Carnegie Institution of Washington. | [state seal] | Hartford | Printed by the State Geological and Natural History Survey | 1931

Ser tp: "State of Connecticut Public Document No.47... State Geological and Natural History Survey... Bulletin No.51..."

8°: 121, vii p + [1]f catalog slips; 14 fig. Pale gray wrap, title on cover. 22.4 x 14.7 cm(8 7/8 x 5 3/4 in). Cut. $.75. JSL. GS 32-31.

Begins with a brief treatise on mineralogy, origin of rocks and minerals, and mineral deposit types, followed by the localities and in the last part, occurrences of economic minerals, rocks, and ores. Biblio p 113-7. Includes gemstones. See rev by SOHON, J A & Mem of Schairer by H S Yoder, *Amer Min*, 57, 1972, 657.

SCHALLER, WALDEMAR THEOD0RE(1882-1967)

USA geochemist, mineralogist; b Oakland, CA; BS U Calif 1903; PhD U Munich 1912; career in USGS from chemist in 1903 to chief, sect of chem & physics 1945-7; Roebling Medal, Miner Soc Amer 1938; list of publs in *Amer Min*, 48, 1963, 1410-2; mem J J Fahey, ibid, 54, 1969, 638-42, portr.

5763. -----1903 Spodumene from San Diego Co., California. *U Calif Publs, Bull Dept Geol* vol 3, no 13, 1903, 265-75, Pls 25-7, 3 fig. Also in print wrap. Describes the granitic pegmatite locality at Pala from which kunzite was mined, mode of occurrence, crystals, etch figures, optical-physical properties, and chemical composition. Plates show Pala Chief mine opencut, typical crystals, and etch markings. First adequate description of the newly-named kunzite. LC A 12-607.

5764. -----1912

Beitrag Zur Kenntnis | Der Turmalingruppe | [orn rule] | Inaugural- Dissertation | Zur Erlangung Der Doktorwürde | Der Hohen Philosophischen Fakultät | (Sektion II) | Der Kgl.Bayer.Ludwig-Maximilians- | Universität Zu München | Eingerichtet Am 15.Juni 1912 | Von | Waldemar T.Schaller | Aus Washington | [taper rule] | Leipzig | Wilhelm Engelmann | 1912

Sep publ from *Zs Krist* Bd 51, 1912, 321-43.

8°: [3]p + p 321-43 + [1]p; 4 fig. No print wrap. 23 x 15.7 cm(9 1/8 x 6 1/8 in) Cut. GS 14-49.

Provides numerous chemical analyses, axial ratios, refractive indices for black & colored crystals, then summarizes analyses & optical data as given by other investigators and comments on the relationship between the properties and chemical composition, more specifically, the relationships between compositions and specific gravities, refractive indices, and the lengths of the *c*-axes. The general formula for tourmaline proposed by Penfield & Foote, 1899, which see, is confirmed.

5765. -----1912 Crystallized variscite from Utah. *Proc US Nat Mus*, 41, 1912, 413-30, Pl 33, 2 fig. Also issued sep in printed wrap. Mainly a crystallographic study of minute crystals found in small cavities in massive material from the Lucin, Nevada deposit, but containing remarks on the occurrence of gem material, optical properties, specific gravity and composition; the color change from green to lavender when heated is here noted for the first time. This article also in *US Nat Mus Bull* 509, 1912, 48-65. LC 12-17788.

5766. -----1915 Gems and precious stones[chapter]. In *USGS Mineral Resources of the US for CY 1915*, Wash, DC, 1917, 843-58. Also in centerstapled reprint, print wrap. A miscellany of information: diamond finds in California; statistics; biblio p 857-8, 37 entries.

5767. -----1916, same, 1919, 887-99, also in reprint.

5768. -----1917, same, 1920, 145-68, also in reprint. Valuable for its extensive and carefully compiled list of gem names, including true names, varieties, false & misleading designations, etc, 147-68, ca 2,000 entries. Due to its location, this list is generally ignored by subsequent compilers.

5769. -----1918, same, 1921, 7-14 Statistics; some industrial uses of precious stones; the last of these chapters prepared by Schaller.

5770. SCHAUB or SCHAUBUS, JOHANN(1770-)
Monographie des Euklases. *Denkschriften der Akad Wiss, Math-Naturwiss Kl*, Wien, VI, pt 2, 1854, 57-88, 2 pls. Not seen.

5771. SCHAUFUSS, CAMILLO Beschreibung der bisher unbeschriebenen Belaphiden aus dem balt. Bernstein. *Berliner Entomol Zs*, 33, 1888, 111-62; also Über tierisches Vorkommen im Bernstein. Ibid, 36, 1891, 53-64. Not seen.

5772. SCHAUSS, EMIL VON

Die | Schatzkammer | Des | Bayerischen Königshauses, | Mit Text Herausgegeben | Von | Dr.Emil Von Schauss | Schatzmeister Des Königl. Hausschatzes, Ober-Münzmeister Und Vorstand | Des Königl. Bayer, Hauptmunzamtes. | Durch Unvergänglichen Lichtdruck Ausgeführt | Von | Arnold & Zettler In München. | [logo] | Nürnberg. | Verlag Von S. Soldan | Hof-Buch- & Kunsthandlung. [nd, ca 1897?]

2°: [12]p + 100 pls, each an actual, slightly sepia-tinted photographic print(ca 24 x 13.5 cm) mounted on very stiff cardbd(47.8 x 32 cm), with publ beneath and with affixed label on reverse giving information on the object. In 3 uniform, bright red pebbled cloth-covered portfolios, lined with white moire paper, and with inward-fold flaps. The covers bear title, royal crown, and volume number in gold within double-rule gold frame. Cover bd size 48.5 x 33 cm(19 1/8 x 13 in). Text in first vol as loose, fold sheets. JSL.

Magnificent photographs in a special edition to commemorate the 700th anniversary of the ruling house of Bavaria, the House of Wittelsbach, and showing in precise detail the major objects of ornament and jewelry, also crowns and regalia, stored in the "Schatzkammer," or as it is now called, the Residenz-museum in Munich, Germany. The text is mostly a history of the collection and sketches of the persons responsible for its accumulations, with notes on styles, artisans, materials, techniques, etc. However, it is the plates that form the principal attraction of this work, being not only early examples of the photographer's skills, but also bearing labels which name the object in French & English, and with a German section also giving dimensions and the brief description.

5773. SCHAWALLER, WOLFGANG Neue Pseudoskorpione aus dem baltischen Bernstein der Stuttgarter Bernsteinsammlung. *Stuttgarter Beiträge zur Naturkunde*, B, 42, 1978, 1-22, also Erstsnachweis eines Skorpions in dominikanischen Bernstein. Ibid, B, 45, 1979, 1-15; other similar articles in ibid, 50, 1979, 1-12 & 57, 1980, 1-20, on animal-life forms in Baltic amber. Not seen; from G R v Bock, 1981, 179.

5774. SCHEDEL, JOSEPH J

The | Splendor Of Jade | Four Thousand Years of the Art of Chinese Jade Carving | by J.J.Schedel | with an introduction by Professor Na Chih-liang | A Dutton Visual Book [logo] | E.P.Dutton & Co., Inc. /New York/ 1974 [title spread over 2 p]

8°: 221, [3 blank]p; 97 col photos; 2 fig. Maroon, unfin cloth, gold lett spine; brownish-maroon ribbed endp. Col dj, with col photos, white lett; flap resume & vita. 30.5 x 22.3 cm(12 x 8 3/4 in). Cut. $35.00 to 1/1/75, $37.50 thereafter. LC 74-9855; ISBN 0-525-49505-3. Outer wrap of colorless plastic. JSL.

Cont: 1/2tp; tps; publ data; dedic; ackn; tab cont; pref; introd; dynasties list; collecting jade; pls list & explan; biblio(221, 11 entries); 3 blank p.

Prof Na Chih-liang, Curator of Jade, National Palace Museum, Taipei, Republic of China, gives a brief summary of the intrinsic esteem and value of jade, its importance in the study of Chinese ethnology and archeology, and the merits of Chinese jades as works of art. Schedel then provides a short account of his collecting experiences and the mineralogy of jades, their carving, and the determination of ages of such carvings. The major part consists of beautifully executed color photographs of many types of jades, large and small, all described according to dynasty, meaning or use, size, and weight. All are from the author's collection, many outstanding in quality but others, as evidenced from the crudity of the carving, quite mediocre. The excellence of color rendition in the photographs suggests that the vivid green of the object shown on Pl 34 belongs to jadeite rather than to nephrite as shown. Summ G M Born, 305-6.

5775. SCHEDL, K E Die Borkenkäfer des Baltischen Bernsteins. *Centralblatt für das Gesamtgebiet der Entomologie*, Klagenfurt, 2, 1, 1947, 12-45. Not seen.

SCHEIBE, ROBERT, or ROBERTO(1859-1923)

Ger geol/mineralogist; b Gera, Thuringia; stud Halle & Göttingen U; grad Mining Acad Berlin 1885; extended travels 1885-1914; stud geol of Colombia 1914-15, elsewhere in South America 1916; returned to Colombia 1917-21; prof Tech U Berlin 1921; official Geologist Colombia 1922-23; d Bogotá. Biogr in R A Dominguez A, *Hist esmeraldas Colombia*, 1965, which see; H Rauff, *Jb Preuss Geol Landesanstalt* 47, 1926, 63-71; E Zimmermann, ibid, 47, 1926, 71-93.

5776. -----1907 Der Blue Ground des deutschen Südwestafrika im Vergleich mit dem des englischen Südafrika. *Programm Königl Bergakad Berlin*, 1906-7, 1-18. "Kaisergeburtstagsrede, Bergakademie zu Berlin, B., 1906." GS 34-650.

5777. -----1926 IV. Die Smaragdlagerstätte von Muzo (Kolumbien) und ihre nähere Umgebung. *Neues Jb Min*, Bd 54, Abt B, 1926, 419-47, Pls 28-30(includes map); 2 sketch maps. Pl 31 is fold geol map, 62 x 43 cm. Part of O Stutzer, "Beiträge zur Geologie und Mineralogie von Kolumbien." "This... work stems from the scientific material left by [the Late] Robert Scheibe. It includes observations which the author made during a month-long visit in... Muzo during 1914/15... Ernst Albrecht Scheibe, Bogotá 1925." Translated from the Spanish original. On the geography, geology, petrology, and formations with much detail on the formations inmediately associated with or that are penetrated by emerald-bearing veins, distribution of the veins, mineralogy & associates within veins and adjoining rocks, economic considerations, emerald crystals, and the hallmarks of value. Biblio 445-6, 12 entries. The plates show scenes and views of the rocks and their structures while the large map depicts areal geology showing locations of mine workings and buildings, along with several profiles. The curious but unimportant emerald occurrence at Nemocón, Colombia, was also described by Scheibe in this journal, Bd 35, Abt A, 1926, 321-4. JSL.

5778. -----1928 Informe geológico sobre la mina de esmeraldas de Muzo. *Doc de la Com Cient Nal*, no 4, Bogota, 1928, p 5-28, 2 fig, 5 photos. Not seen, but see reprint below.

5779. -----1933 Informe geologico sobre la mina de esmeraldas de Muzo. *Republ Colombia Ministerio Minas y Petrol, Serv Geol Nac, Informe* 676, 1933. Title from cover. Edgestapled: blank f + [1], 34 f; 4 fold blueprint maps in pocket; 2 hand-col maps numbered "Planchas 1-4." Pale yellow wrap, cloth spine. 27.8 x 22 cm(11 x 8 5/8 in). Cut. Text is carbon copy of typescript.

Based on field work in 1915(maps so dated): location, geography, area geology, formations, rocks, mineralogy, etc. The maps show limits of Muzo concession, emerald mines in Colombia, geology of Muzo mine area in color, and colored cross-sections. This appears to be one of four copies made of the original report. JSL.

5780. -----1933, reprinted Informe geológico sobre la mina de esmeraldas de Muzo (Presentado por el autor al Gobierno Nacional en el año de 1916). In: *Compilacion de los Estudios Geologicos Oficiales en Colombia 1917 a 1933*, Tomo 1, no 4, Bogotá, 1933, p 169-98, figs 19-25(3 sketch maps, photos), with Pl 4 separate(col litho fold map "Croquis de la mina de Muzo") in pocket. As before, this includes Scheibe's Nemocón emerald article, p 223-8. The larger article was incorporated in R A Dominguez A, which see.

SCHEIBE, ROBERT, see article "DIAMANT" in DAMMER & TIETZE

5781. SCHENK, or SCHENKIO, JOHANN THEODOR(1619-1671) Dissertatio de succino. respondente Gottfried Schulze [sometimes, SCHULTZ]. Jenae, 1671. 4°: 34 p. Not seen; in Gatterer 2, 153; Banks; Hoover finding list.

5782. SCHEURING, G

Beiträge zur geologischen Erforschung | der Deutschen Schutzgebiete.| Heft 8. | [rule] | Die mineralogische Zusammen- | setzung der deutsch-Südwest- | afrikanischen Diamantsande. | Von | G.Scheuring | in Giessen. | Hierzu | Karte und 2 Textfiguren. | [rule] | Herausgegeben | von der | Geologischen Zentralstelle für die Deutschen Schutzgebiete. | Berlin 1914.

8°: 47, [1], [1 blank]p; fold part-col map SWA coastline inserted in back cover loop; 2 fig; tab. Pale brown wrap, cover title. 25.7 x 17.7 cm(10 1/8 x 7 in). Cut. Mk 2.- JSL. GS 21-135 & GS 16-134.

Geology & mineralogy of diamond-bearing sands along the coastal strip of German South West Africa from Hottentot Bay south to Cape Derburg near Angras-Juntas. Describes occurrences of diamond crystals in sands, and method of extraction. Map shows sand areas in color. Biblio p [48], 13 entries.

SCHEYB, FRANZ CHRISTOPH VON(1704-1777)

Ger writer on history, arts, biography; attend Coll Jesuits Vienne 1717; in Naples secty to Count Harach, the viceroy. *Biogr Univ* 41, 120-22.

5783. -----1774

Orestrio | von den | drey Künsten der Zeichnung | Mit einem Anhang | von der Art und Weise, Abdrücke in Schwefel | Gyps, und Glas zu verfertigen | auch | in Edelsteine zu graben | Herausgegeben von | Franz Christoph von Scheyb | Jauböckelheim | Erster [-Zweyter] Theil | [rule] | Nebst einer Vorrede

| Von Friedr.Just.Riedel | [engrav vignette] | Quare, Artem quaecunque juvant | Fuge, quoque repugnant | Fresnoy De Art. | [double-rule] | Wien | in der von Ghelenschen Buchhandlung | 1774

I: 8°: [38], XXII, [2], 391, [1]p;)(^{7},)()(^{4},)(^{8}, a^{8}, b^{4}, A-Aa^{8}, Bb^{4}. Fine engrav portr of author with titles & honors facing title. Ch orns, 19.5 x 11.7 cm(7 5/8 x 4 5/8 in). Cut. USGS Kunz Coll, GS 34-344.

Cont: portr;tp; quot; addit; pref(by Riedel); pref; tab cont; 36 chs; errata.

Orestrio |...| Zweyter Theil | [diff engrav vignette] | Nil fine teste rei natura, artisque magistra | Pingere posse putes --- | Fresnoy | [double- rule] | Wien | in der Ghelenschen Buchhandlung | 1774

8°: [8], 452, [4]p;)(^{4}, A-Ee^{8}, Ff^{4}.

Cont: tp; quot; pref; text; suppl; tab cont.

A work on the arts of design, with a supplement of interest to the gemologist which treats gem engraving and making reproductions of engraved gems; it is entitled "Die Kunst Portraite in Edelsteine zu graben, davon Abdrucke oder Abgusse in Glas und rothen Schwefel zu verfertigen", Vol 2, 413-52, as related by one Orkader Orestrio, 1772. It begins with an address by Orestrio to connoisseurs of engraved gems in which he rambles through an appreciation of the art, but eventually, on p 426, provides some concrete information on how gems are engraved and how impressions can be made from them.

5784. SCHIAZZI, FILIPPO(1763-1844)

Sopra | Una Gemma Etrusca | Del Museo Antiquario | Della Regia Iniversità | Di Bologna | Ragionamento | Di | Filippo Schiazzi | Professore Della Stessa | Università. | [taper rule] | Bologna | [curved bracket, laid horizontally] | Tipografia Ramponi | 1810.

4°: 40 p; 1 engrav pl tip-in at end. Pale green wrap, title on cover. 22.4 x 15.7 cm(8 7/8 x 6 1/4 in). Uncut. USGS Kunz Coll, GS 34-474.

Cont: tp; dedic; pref; text; pl. On an Etruscan engraved gem.

5785. -----1838

De | Malachita | Dissertatio | [orn] | Bononiae | Ex Officina Emygdii Ab Ulmo Et Iosephi Tiocchi | A. MDCCCXXXVIII. | Permissu Praesidum. [Bologna]

2°: [8], 9, [1 blank]p. A dissertation on malachite, its history, substance, uses, etc.

5786. SCHIEBEL, W Kennzeichnung der Edelsteinfarben nach Farbnormen mit Messungen an synthetischen Steinen. *Zs Dt Ges Edelsteink*, 54, 1966, 6-30. Not seen.

5787. SCHIEBOLD, E Vergleichende Untersuchungen an natürlichen und synthetischen Smaragdkristallen. *Zs Krist*, Abt A, Bd 92, 1935, 435-73. Distinct differences were found in chemical composition. crystal forms, internal features, inclusions, axial ratios, unit cell volumes, Laue diagrams, spec gravities, cleavage, refractive indices, etc between natural and synthetic emeralds.

5788. SCHIFFMANN, CHARLES A Farbdiamanten: Natürlich oder bestrahlt? *Zs Dt Gemm Ges*, 20, 4, 1971, 152-71, 8 ill(1 col), tab; 8 refs. The same article, translated: Coloured diamonds - natural or artificially treated?, *J Gemm*, 11, 7, 1969, 233-55, 7 fig, tab, 7 refs. JSL.

SCHIFFMANN, C A, see ANDERSON, B W, *Gem Testing*, 1975, Fr edit

5789. SCHINDLER, A H The turquoise mines of Nishâpûr, Khorassan, Translated from the mineralogy of MANSUR, MUHAMMED IBN by A H S. *Rec Geol Survey India*, 17, 1884, 132-42; also in *Jb k k Geol Reichsanstalt*, Wien, 36, 1886, 303-14. Not seen.

5790. SCHLAEGER, JULIUS CAROLUS(1706-1786)

Gemma antiqua sistens Europae raptum imagine prorsus singulari adumbratum illustrata dissertatione epistolari. Qua viro perillustri atque magnifico Iohanni Anderson... Nuptiale festum quod vir nobilisimus ac ivrisconsultissimus Iohannes Otte... cum ipsius filia dilectissima nobilissima per spectissimaeque virtutis virgine Ilsabea Anderson ad d.XXIII, novembris celebrabat gratulatur m.Iulis Carolus Schlaeger. Hamburgi, apud A.Vandenhoeck et I.Mirgelberg, 1734. 44 p, ills, 25 cm. Bibliogr footnotes. Not seen, from USGS Kunz Coll, GS 33-306.

SCHLAGINTWEIT-SAKÜNLÜNSKI, HERMANN RUDOLPH ALFRED VON(1826-1882)

Ger archeol/traveler; b Munich; PhD; priv docent Berlin U 1851-54; scient travels with brother Adolph(1829-1857) in Alps 1846-8; 1849 visited Britain to establ connection with East India Co; to eastern Asia, India, Tibet & adjoining lands with brother 1854-57, but latter d Kashgar 1857. Pogg 2, 801-3.

5791. -----1873

Ueber | Nephrit nebst Jadeit | und Saussurit | im Künlün-Gebirge. | Von | Hermann von Schlagintweit-Sakünlünski. | Ehrenmitgliede und Correspondenten der Akademien von Lissabon, Madrid, München, der Leop. | Car., der Royal As. Soc. an London, der British Assoc., der öster. Ges. für Meteorol., der geograph. | Gesellschaften zu Berlin, Bombay, Dresden, München, New York U.S., Paris, St.Petersburg, Rom, | Wien, etc. | [rule] | Aus den Sitzungsberichten der mathematisch-physikalischen Classe der | k.k.Akademie der Wissenschaften. 1873. 2. | [rule] | München | Akademische Buchdruckerei von F.Straub. | 1873.

8°: p 227-267. Tan wrap, title only on cover, 21.7 x 13.5 cm(8 5/8 x 5 3/8 in). Uncut. USGS Kunz Coll, GS 34-805.

Cont: cover tp; text.

The following summary of this highly important paper is taken from H Fischer's *Nephrit und Jadeit*, 1880, p 290-4, which see. The first part treats occurrence, distribution and geological relationships of nephrite-bearing rocks on a worldwide basis, with archeological notes on artifacts. The second part describes deposits in Khotan which the author visited with his brothers Robert(1833-1885) and Adolph(1829-1857). There are descriptions of alluvial and in situ deposits of various types of nephrite with which may be associated saussurite. These are described in detail in the third part according to color varieties, textures, physical & chemical properties, and with analyses provided on five specimens by L R v Fellenberg. No jadeite was present.

5792. SCHLEE, DIETER Insekten Fossilien aus der Unteren Kreide - 1.: Verwandtschaftsforschung an fossilen und rezenten Aleyrodina (Insecta: Hemiptera). *Stuttgarter Beiträge zur Naturkunde* A, Nr 213, 1970, p 1-72. Not seen.

5793. -----1980

Dieter Schlee | Bernstein-Raritäten | Farben · Strukturen · Fossilien · Handwerk | Mit 145 Farbfotos | (davon 132 vom Verfasser) | Aus der Bernsteinsammlung | des Staatlichen Museums für Naturkunde in Stuttgart | - Mit einem kulturhistorischen Anhang - [last 3 lines with fossil orns to each side; 1980]

Sewn gatherings in sixes: 88 p; 145 col photos on 55 pls(includ in text). Tan, unfin cloth, brown spine & cover titles; tan endp, the front set reproduces tp & Pl IV of a work on amber by Berendt; the back set with ills from several modern German works on insects in amber. Reddish-brown, plasticized dj, with oval, insect-bearing yellow amber cabochon photo & yellow lett on front cover; yellow lett spine; flap resume, cover ill caption & explan of endp ills. 22 x 18.8 cm(8 5/8 x 7 3/8 in). Cut. Glossy paper. JSL.

Cont: tp; publ data; pls 1 & 2; fwd; tab cont; text; biblio(p 84, 22 entries in a most confusing text design); other publs of Museum.

A splendidly produced work, made from high quality materials and with outstanding reproduction of photographs. The text is in two parts, "natural history," and "cultural history," the first on the Baltic ambers primarily but not neglecting specimens from other sources, and more especially, those containing inclusions, and including(rather remarkably)descriptions of the amber of Lebanon as well as the recently described Dominican material. The cultural part is shorter and mainly deals with early lore and knowledge of amber in Europe and America, and amber as used in ornaments and decoration. The illustrations are superb and depict rough and polished ambers, inclusions, objects made from amber, amber mining, etc. Rev M O'Donoghue, *J Gemm*, 18, 7, 1983, 664.

5794. -----1986 Der Bernsteinwald, Paläo-Umwelt im Bernsteinstück. *Mineralientage München '86*, Munich 1986, which see, p 65-80, 31 col photos, 2 b&w photos. Splendidly illustrated brief account of new discoveries in amber: structure, fluorescence, inclusions, wood host, etc. Based on specimens in the Staatliches Museum für Naturkunde in Stuttgart.

5795. SCHLEE, DIETER & GLÖCKNER, WERNER

Bernstein | Bernsteine und Bernstein-Fossilien | von Dieter Schlee (Text) und Werner Glöckner (Inklusenfotos) | Mit 10 schwarzweissen Abbildungen im Text | und 21 farbigen Abbildungen auf 16 + 2 Tafeln | Dieses Heft ist dem Andenken an | Herrn Werner Glöckner gewidment, | dem es durch seine vielseitigan Kenntnisse gelang, | künstlerische Bildgestaltung und wissenschaftliche Relevanz | in seinen Aufnahmen der Bernstein-Fossilien zu vereinen. [Stuttgart: Staatlichen Museum für Naturkunde und der Gesellschaft der Freunde und Mitarbeiter des Staatlichen Museums für Naturkunde in Stuttgart, e.V., 1978. *Stuttgarter Beiträge zur Naturkunde*, Serie C, Heft 8, 1978].

Centerstapled: 72 p; 10 b&w ill(drawings, diags); 16 col photo pls. White wrap, col photo on cover; other Museum publs back cover; inside front cover publ data & explan of cover ill; inside back cover 7 col photos in an advert of a company selling amber articles. 24.4 x 16.5 cm (9 5/8 x 6 1/2 in). Cut. ISSN 0341-0161. JSL.

Cont: tp; tab cont; introd; text; biblio(p 66-72, 179 entries).

Excellent survey of ambers from all major world sources but of course the greatest emphasis is laid on the most important deposits of the Baltic region. Defines amber, its nature, origin, inclusions, important fossils found therein, amber-producing trees, methods of inclusion study, amber as an ornamental material, scientific value of inclusions. All color illustrations are high quality. The bibliography is certainly the best yet to appear on amber and includes mostly modern studies but many older classics on both the scientific and cultural apsects of amber, Rev M O'Donoghue, *J Gemm*, 16, 6, 1979, 420.

5796. SCHLEGEL, DOROTHY M Gem stones of the United States. *USGS Bull* 1042-G, 1957. Centerstapled: iiip + p 203-53. Pale gray wrap, cover title. 23.2 x 15 cm (9 1/8 x 5 7/8 in). Cut. $.25. JSL.

Brief introductories on properties, technology, occurrences, followed by listings for so-called "precious" and "semi-precious" gemstones, with descriptive matter forming excellent thumbnail sketches of the gemstones concerned. However, localities are too general to be used as guides. List of journals; biblio p 252-3, 36 entries. Second print 1966. Rev *J Gemm*, 6, 8, 1958, 387; *The Gemmologist*, 27, 323, 1958, 115-7.

SCHLICHTEGROLL, ADOLF HEINRICH FRIEDRICH VON(1765-1822)

Ger antiquary; author of a massive Ger biogr dict; secty-gen Roy Acad Sciences, Munich. Thomas, *Univ Pron Dict of Biogr & Mythology*, 1878.

5797. -----1798-1805 Choix des principales pierres gravées de la collection... Baron de Stosch... accompagné de notes et explications relatives à la mythologie et aux beaux-arts. Nuremberg: 1798-1805, or 1797-1806, 2 parts in folio & large quarto, ill. Text in Fr & Ger, Not seen; from Vinet 1646 who notes "ouvrage non terminé." A Furtwängler, *Die antiken Gemmen*, 3, 429 gives the dates as 1792-1805. See SCHWEIKART, J A for the earlier issue of this work, of which this is second attempt to publish Stosch gems. See also J J WINCKELMANN for the original issue.

5798. -----1805 Dactyliotheca Stoschiana, ou collection de toutes les pierres gravées... Baron de Stosch... gravées en taille-douce et accompagnées de leur description par Jean Winckelmann, et de observations et explications par Frédéric Schlichtegroll, À Nuremberg. Chez Jean Frédéric Frauenholz. 1805. 2 vols, pls, folio. Not seen; from Goodland. The German title reads: "Dactyliotheca Stoschiana oder Abbildung aller geschnittenen Steine, die ehemals der Baron Philipp von Stosch besass, die sich jetzt aber in dem kön. preussischen Museum befinden. Nebst der Beschreibung derselben von Johann Winckelmann und mit Anmerkungen und Erläauterungen von Friedrich Schlichtegroll. Not seen; from Zwierlein-Diehl, 19.

5799. SCHLOSSER, JULIUS VON

Die Schatzkammer | Des Allerhöchsten | Kaiserhauses In Wien | Dargestellt In Ihren Vornehmsten Denkmalern | Von | Julius Von Schlosser | Mit 64 Tafeln Und 44 Textabbildungen | 19 [logo] 18 | Kunstverlag Anton Schroll & C° G.M. BH In Wien [1918] B.H. In Wien

4°: [6]f (first f blank) + 101, [3 blank]p; front gravure pl(Nr 64) with print tissue; 44 fig; 63 numbered pls, loose, each with print tissue. Portfolio enclosing a text vol & loose plates, the text vol enclosed in print wrap, red lett on cover; portfolio in maroon paper over bds, maroon cloth sides, inward-fold flaps; cover with gold lett & stylized tiger killing its prey. All cream col paper. Page & pl size: 40.3 x 29.8 cm(15 3/4 x 11 3/4 in). Uncut. Mk 600.-. JSL.

F[4], recto: "Dieses Werk wurde in einer einmaligen Auflage von 300 numerierten Exemplaren gedruckt... Nr.272."

Cont: blank f; 1/2tp; front; tp; publ data; edit data; dedic; fwd; 6 chs; bibliogr notes & extracts pertaining to Chs 1-6; pls index; inventory of crown treasures still preserved and those lost; tab cont; 3 blankp.

Holy Roman Empire crown treasure in Vienna, at the time, in the Wiener Hofburg: includes crowns, scepters, vessels, vestments, etc. The text treats royal treasures generally, and the present one specifically, giving a history of the regalia, both as recorded officially and from private sources, the forms and styles, valuable jewels and mementoes, Napoleonic mementoes, and a useful survey of literature written about various objects in the collection. Several crowns appear on the plates, also jeweled reliquaries, with the photographs somewhat muted with some loss of sharpness. Rare.

5800. -----1920

Die Deutschen | Reichskleinodien | Beschrieben | Von | Julius Schlosser | Mit 46 Eingedruckten Abbildungen | Und Einer Tafel In Kupfertiefdruck | [logo] | 1920 | Kunstverlag Alton Schroll & Co. | G.M.B.H. In Wien

8°: 80, [1], [1 blank], [1], [1 blank]p; front fig + 41 text fig; a fold copperpl tip-in between p 52-3, printed in dk sepia ink. Stiff, pale purple wrap, black panel on cover, pale purple lett title & sepia-tinted pl of crown, cut-out & mounted. 22.1 x 15 cm(8 3/4 x 5 7/8 in). Cut. Stapled gatherings. Wrap overlaps text. JSL. USGS Kunz Coll, GS 34-651.

Cont: 1/2tp; front; tp; print data; fwd; 3 chs; append; tab cont; blank p; other publ bks; blank p.

In the forword, Schlosser acknowledges the inaccessibility of the previous limited edition of only 300 copies, and for that reason prepared this abridged version.

5801. SCHLÖSSIN, H H & LANG, A R A study of repeated twinning, lattice imperfections and impurity distribution in amethyst. *Phil Mag*, London, 8th ser, 12, 116, 1965, 283-96, 12 fig. *Min Abstr*, 18, 2, 1967, 101-2.

SCHLOSSMACHER, KARL(1887-1980)

Ger mineralogist/gemologist; stud under Prof Max Bauer, made asst in Mineralogisches Inst Heidelberg U 1917; in geol survey Berlin 1919; prof in Königsberg U 1926-1947; Dir Gem Inst Idar-Oberstein 1948. Biogr *Zs Dt Gemm Ges*, 16, 61, 1967, 3-11, portr; *Zs Dt Gem Ges*, 29, 3/4, 1980, 123-5, portr; *J Gemm*, 17, 6, 1981, 426-8, portr.

5802. -----1930 Die Absorption der roten, blauen und violetten Spinelle von Ceylon. *Zs Krist*, 72, 1930, 447-75, 10 fig.

5803. -----1937 Praxis der Edelsteinbestimmung. Neurode im Eulengebirge, 1937, 128 p. Not seen; rev in *G & G*, 2, 10, 1938, 171.

5804. -----1950

Leitfaden | für die | Exakte Edelsteinbestimmung | Von | Professor Dr.K.Schlossmacher | Leiter des Edelsteinforschungsinstituts Idar-Oberstein | ehem.ord.Professor der Mineralogie und Petrographie | an der Universität Königsberg | Mit 21 Figuren und 8 Tabellen im Text | und 18 Abbildungen auf 3 Tafeln | [logo] | Stuttgart 1950 | [rule] | E.Schweizerbart'sche Verlagsbuchhandlung | (Erwin Nägele)

8°: 174, [4 advert]p; 18 photos on 3 glossy tip-in pls at end; 21 fig. Dull red unfin cloth, gold title on cover & spine. Pale yellow charcoal type endp. 23 x 15.5 cm(9 x 6 1/8 in). Cut. DM 16.40. JSL. LC 50-35840.

Cont: tp; publ data; fwd; tab cont; introd; text; tab; index; photo captions; pls; adverts.

Devoted entirely to the principles, apparatus, and methods of gem identification. Separate chapters discuss major physical & optical properties and explain how these are measured. A short chapter provides descriptions of important mineral & organic gem materials. A useful feature is the numerous tables of properties which extend over p 151-69. The paucity of illustrations seriously handicaps the usefulness of the text, and even those on the plates are only helpful in respect to identifying inclusions. Rev B W Anderson, *J Gemm*, 2, 8, 1950, 342-44.

5805. -----1954

Edelsteine und Perlen | Von | Professor Dr.K.Schlossmacher | Leiter des Instituts für Edelsteinforschung in ldar-Oberstein | ehem.ord. Professor der Mineralogie und Petrographie | an der Universität Königsberg | Mit 103 Abbildungen und mehreren Tabellen im Text | 6 Figuren auf einer Tafel | sowie zwei farbigen Edelsteintafeln | [logo] | Stuttgart 1954 | [rule] | E.Schweizerbart'sche Verlagsbuchhandlung | (Erwin Nägele)

8°; VIII, 280 p; 2 col pls of rough & cut gemstones tip after index; tip-in photo pl; 103 fig. Blue-green unfin cloth, gold title on cover & spine. 23.9 x 16 cm(9 1/2 x 6 1/4 in). Cut. DM 25.- JSL. LC 54-22584.

Cont: tp; publ data; fwd; tab cont; text; tabs; index; col pls.

The first major comprehensive work on gemstones published in Germany since the appearance of the author's revision of Max Bauer's *Edelsteinkunde*, 3rd edit, 1937. Its scope and detail considerably exceeds that to be found in his *Leitfaden* above. The three-part text, each part with several chapters, covers general gemology, descriptions of gemstones, and in the last "practical" part, treats such matters as cutting, engraving, carat weight, commerce, and ending with numerous identification tables. The illustrations include line drawings and photographs, many of the former borrowed from other publications. The color plates depict many rough & cut gemstones and are made from drawings specially commissioned for this work. Now a large, major work, it met with instant acclaim. Rev B W Anderson, *J Gemm*, 4, 7, 1954, 319-21; E H Kraus, *G & G*, 8, 3, 1954, 93; *The Gemm*, 23, 277, 1954, 154.

5806. -----1959, 2nd edit. Not seen. Rev *J Gemm*, 7, 5, 1960, 202, "appreciable improvement on the first;" B W Anderson, *The Gemm*, 28, 341, 1959, 231-2; *G & G*, 9, 12, 1959-60, 372. LC 60-26387.

5807. -----1962, 3rd edit

Edelsteine und Perlen | Von | Prof.Dr.Karl Schlossmacher | Leiter des Instituts für Edelsteinforschung in Idar-Oberstein; | Ausseninstitut der Universität Mainz | ord.emerit.Professor an der Universität Mainz | Dritte, erweiterte Auflage | Mit 115 Abbildungen und mehreren Tabellen im Text, | 18 Figuren auf 3 Tafeln, 1 Beilage | sowie zwei farbigen Edelsteintafeln | [logo] | Stuttgart 1962 | [rule] | E.Schweizerbart'sche Verlagsbuchhandlung | (Nägele u.Obermiller)

8°: XII, 343, [1 blank]p; fold map("Beilage"), 18 b&w photos on 3 glossy f; 2 col pls, all pls bound-in at end; 115 fig; many tabs. Blue-green cloth, same title, etc on cover & spine. Same p size. DM 32.-. JSL.

Cont: 1/2tp; tp; publ data; fwds(3); tab cont; text; tabs; index; pls captions; pls.

Same arrangement of contents but with numerous additions and including new material on synthetics, testing methods, production & price statistics, the prices based on those in Germany in 1962. The photographs are now blurring.

5808. -----1965, 4th edit

Edelsteine und Perlen |...| Vierte, neubearbeitete und erweiterte Auflage |...| Stuttgart 1965 |...

8°: XII, 368 p; same ill(but with several substitutions); same cloth, binding, etc. DM 33.-. JSL.

Cont: 1/2tp; tp; publ data; fwd(1 & this edit); tab cont; text; tabs; index; pls.

Numerous minor additions, corrections, text reset; tables augmented by table of absorption spectra & another of pleochroic colors. Smoother paper results in better reproduction of figures, esp photos. Rev R Metz, *Der Aufschluss*, 16, 11, 1965, 291-2; *J Gemm*, 9, 12, 1965, 444.

5809. -----1969, 5th edit

Edelsteine und Perlen | Von | Prof.Dr.Karl Schlossmacher | ord.emerit. Professor an der Universität Mainz | fünfte, neubearbeitete und erweiterte Auflage |...| Stuttgart 1969 |...

8°: XII, 387, [1 blank]p; same ill(but now many substitutes). Same covers, etc. DM 34.-. JSL.

Cont: 1/2tp; tp; publ data; fwds(1 & 5th); tab cont; text; index; pls.

Many more additions, corrections, with important material added to description of diamond; many photos now substituted, several provided by E Gübelin. Rev W Fischer, *Der Aufschluss*, 21, 2, 1970, 104-5; *J Gemm*, 12, 1, 1970, 21; *Zs Dt Gemm Ges*, 18, 4, 1969, 192-3.

5810. -----1953

Edelsteine | Aus Idar-Oberstein

P[2]; "Herausgeber: Industrie- und Handelskammer... Texte: Professor Schlossmacher... Gesamtherstellung und Photoaufnahmen: Atlanta-Post, Stuttgart, Graph.Abteilung..." Actual place of publ Idar-Oberstein, nd.

Cementb: 50 p; 32 fig; 7 col pls(first 5 not includ in pag); fold map after text. Black paper wrap, agate & quartz crystals on cover; white lett. 20.9 x 20.3 cm(8 1/4 x 8 in). Cut. JSL.

Handsome, free brochure issued to promote interest in the gem cutting industry of Idar-Oberstein, Germany. Preliminary remarks review the history of the industry, the trade, and give brief descriptions of the principal gemstones and how they are processed. A lengthy table of gemstone properties is also furnished as well as a birthstones list and the symbols for same. Two of the color plates are from Schlossmacher's *Edelsteine u Perlen*. Rev *Zs Dt Ges Edelsteink*, 6, 1953-54, 22-3. Also issued in a straightforward English translation but with the first five colored plates made into text figures; the two plates after the text are unchanged. JSL.

5811. SCHLOSSMACHER, KARL Prof.Dr.Karl Schlossmacher zum 70. Geburtstag (10.Juli 1957) von der Deutschen Gesellschaft für Edelsteinkunde unter der Redaktion von Prof.Dr.Karl F.Chudoba gewidmet. Sonderheft zur *Zeitschrift der Deutschen Gesellschaft für Edelsteinkunde*, Idar-Oberstein 2, 1957. 8°: 117, [2]p, ill, paper wrap, 21 x 14.8 cm(8 1/4 x 5 3/4 in). A special "Festschrift" issue, not included in the regular numbering of the journal. Contains brief biography & accomplishments by Chudoba & 19 articles.

5812. -----, similar Prof.Dr.Karl Schlossmacher zum 80.Geburtstag von der Deutschen Gesellschaft für Edelsteinkunde... Herbst 1967. ibid, H 61, Herbst, 1967. 8°: 116 p, ill, printed wrap. Similar biographical notes, and then a series of 14 articles.

SCHLOSSMACHER, K., see B I B O A; also BAUER, M, *Edelsteinkunde*, 3rd edit.

5813. SCHLUGLEIT, D Geschiedenis van het Antwerpsche Diamantslijperambacht 1582- 1797. Antwerp: Moderne Boeken Handelsdrukkerij Jos Guillaume, 1935, 208 p. "Bibliotheek Antwerpsche Ambachtsgeschiedenis. B. Niet-Gepriveligieerde Ambachten." Not seen.

5814. SCHLUTER, MARGILDIS; PLATZ-HORSTER, GERTRUD & ZAZOFF, PETER Antike Gemmen in deutschen Sammlungen. München: Prestel, 1968-75, v 1-5, pls. Bd IV: Hannover, Kestener-Museum, Hamburg, Museum für Kunst und Gewerbe. Bearbeitet von Margildis Schlüter...1975. Not seen; above from Arntzen, P591.

5815. SCHMALZ, CH

Collection | De | Diamants Bruts | Faite | Par Ch.Schmalz | De La Maison Herz, Schmalz Et C^{ie} | [rule] | Extraits | Du | Catalogue Raisonné En Voie De Formation | [rule] | Se Distribue | Chez MM. Herz, Schmalz & C^{ie} | Rue De Chateaudun, 59, A Paris | [rule] | 1884

Centersewn: 24 p; 16 fig on one ill. Pale orange-tan wrap, title on cover; printer back cover, 24.2 x 15.5 cm(9 1/2 x 6 1/8 in). Cut. USGS Kunz Coll, GS 34-806.

Cont: 1/2tp; tp; print data; ill; cat of crystals; cat of diamondiferous rocks; resume.

A catalogue of 904 rough diamond crystals, singly, and in matrix. A hand-written memorandum accompanies this copy in the Kunz Collection, stating "This collection was shown by Mess Tiffany & Co for quite a period of time, and this catalogue was published in English. The collection was returned to Paris a part was sold and the larger part were presented to the Musée Histoire Naturelle Jardin des Plantes by Bischoffsheim the banker.

The collection was shown to me by my friend Prof A Lacroix chief of the Mineralogical Department and Geologist of France Paris 1900 George F. Kunz, March 5, 1902." The exhibition of this collection and the catalogue in english referred to indicate that it is the same as *Catalogue of the Collection of Rough Diamonds*, publ in 1885 by Tiffany & Co, which see.

5816. SCHMEISSER, J G

A | System | Of | Mineralogy, | Formed Chiefly | On The | Plan of Cronstedt. | [double rule] | Vol I[-II]. | [double rule] | By J.G.Schmeisser, | F.R.S. &c. | [double rule] | London: | Printed For C.Dilly In The Poultry. | [taper rule] | 1795.

8°: xxxviii p + [blank]f + xix, [1 blank] p + p 21-344; xvi, 374 p + 4 engrav pls + errata f. 20.5 x 12.8 cm(8 x 5 in). Cropped.

Cont: Vol I: tp; dedic; pref; tab cont; blank f; introd; tabs of mineral characters & properties; text. Vol II: tp; pref; index to both vol; text; pls; errata.

In accordance with the scheme of A F Cronstedt (1722-1765), the mineral substances are divided into several classes which are further subdivided into genera and species. The most important descriptions of gemstones appear in Class I, p 56-152, which includes earths and stones, also a "Zirkon genus," and "adamantine spar." However, under "Siliceous gems" are to be found corundum, zircon, beryl, feldspar, garnet, tourmaline, quartz, opal, and others. Thus the zircon and corundum are treated in two places under the misapprehension that the two varieties are species. Entries include nomenclatures in several languages, early mentions of names and the authors of same, sources of minerals, characters, some angular measurements of crystals, properties, uses, including applications in medicine, imitations, and at times, notes on lapidary treatment. Elsewhere appear nephrite, I, p 200, meerschaum 209, marbles 244, diamond 282-4, where it is classed as "combustible," also jet 289, and amber 298-9. A very scarce book.

5817. SCHMEIZEL, or SCHMEITZEL, MARTIN(1679-1747)

Commentatio Historica | De | Coronis, | Tam Antiqvis, Qvam Mo- | Dernis Iisqve Regiis. | Speciatim | De | Origine Et Fatis | Sacrae, Angelicae Et Apostolicae | Regni Hvngariae | Coronae. | Cvm Figvris Aeneis, Indiceqve Ac | Allegatis Necessariis. | Avctore | Martino Schmeizel, | Corona-Transilvano Saxone. | [large orn monogram] | [double rule] | Ienae, | Apud Joh.Martin Gollnervm | Anno M DCC XIII. [Jena: 1713; title in red & black]

4°: [16], 237, [1 blank]p; a-b^4, A-Gg^4; numerous small text engrav of wreaths, garlands, crowns, etc; many ch orns. 19.7 x 16.3 cm(7 3/4 x 6 3/8 in). Cropped. USGS Kunz Coll, GS 33-353.

Cont: tp; dedic; lauds; pref; text; index & errata; blank p.

An early work on royal crowns of all countries and periods, obviously involving an enormous amount of research, but treating more especially the crowns of Europe, and crowns that were simply symbolic, eg a laurel wreath, to crowns of modern times elaborately constructed from precious metals and gemstones. A rare work. Schmeizel was born in Transylvania, and studied history, with an extraordinary number of works to his credit in German and Latin(*Biogr Univ*, 41, 179-80, spelling his name "Schmeitzel").

5818. SCHMETZER, KARL ALFRED Vanadium III als Farbträger bei natürlichen Silikaten und Oxiden - ein Beitrag zur Kristallchemie des Vanadiums. *Inaug-Diss zur Erlangung Doktorwurde Naturwiss Gesamtfakultät Ruprecht-Karl-Universität Heidelberg*, 1978. [7], 277, [1]p; 84 tabs; 71 figs. JSL. Includes role of vanadium in several gemstone colorations.

5819. -----1983 Eine Untersuchung der opalisierenden Syntheseprodukte von Gilson. *Zs Dt Gemm Ges*, 32, 2/3, 1983, 107-18, 12 ill, 30 ref. On the opal-like imitations made by the Gilson Co of France; this article is followed by M GUNAWARDENE & R MAERTENS, Untersuchungen der neuen Opal-Imitationen von Gilson, 119-25, 8 ill, tab, 10 ref. JSL.

5820. -----1984 An investigation of the synthetic products by Gilson showing a play of colours. *J Gemm*, 19, 1, 1984, 27-42, 12 fig, 30 ref. JSL.

5821. -----1985 Distinction of natural and synthetic rubies by ultraviolet absorption spectroscopy - possibilities and limitations of the method. *Zs Dt Gemm Ges* 34, 3/4, 1985, 101-29, 45 fig(absorption spectra), 2 tab, 13 ref. Topics: materials, methods, results after testing numerous specimens. Preliminary results greatly expanded and explained in the following.

5822. -----1986

Natürliche und synthetische Rubine | Eigenschaften und Bestimmung | von | Dr.Karl Schmetzer | Mineralogisch-Petrographisches Institut der Universität Heidelberg | und Deutsche Stiftung Edelsteinforschung Idar-Oberstein | Mit 31 farbigen und 144 schwarzweissen Fotos sowie 21 Figuren im Text | [logo] E.Schweizerbart'sche Verlagsbuchhandlung | (Nägele u. Obermiller · Stuttgart 1986

Cementb: VI, 131, [1 blank]p; 18 line drawings; 129 b&w photos; 31 col photos; 6 tabs. Stiff plasticized blue paper wrap, col photo of ruby rough with b&w lett on cover; spine title. 24 x 17 cm(9 3/8 x 6 5/8 in). Cut. ISBN 3-510-65125-1. DM 38.-

Cont: tp; publ data; fwd; tab cont; 15 chs; biblio(p 121-9, ca 260 entries); index; blank p.

An exhaustive treatise on natural and synthetic ruby, commencing with historical notes, and the mineralogy of corundum, especially the ruby, with data on properties and crystallography, and followed by a chapter on the various methods by which ruby has been synthesized, the materials employed in the present investigations, the methods themselves, and the results of microscopic examination (inclusions, growth lines, color zoning, etc), the features of rubies from various deposits in the world, including those of lesser importance as Greenland, Jugoslavia, Harts Range, etc, absorption spectroscopy, and the features of the various types of synthetics. No aspect of scientific nature is neglected and much valuable information of a geological/mineralogical nature is incidentally supplied. The color photographs are magnifications of internal features and inclusions, while the numerous black and white photographs are almost entirely of similar features but the line drawings include crystal forms, apparatus, absorption spectral traces, etc.

5823. SCHMETZER, K; BERDESINSKI, W & BANK, H

Über die Mineralart Beryll, ihre Farben und Absorptions-

spektren. *Zs Dt Gemm Ges*, 23, 1, 1974, 5-39, 19 fig, 9 tab, 112 ref. JSL.

5824. SCHMETZER, K; BOSSHART, G & HÄNNI, H A Naturfarbene und behandelte gelbe und orange-braune Sapphire. Ibid, 31, 4, 1982, 265-79, 12 ill, 38 ref. JSL.

5825. -----1983 Naturally-coloured and treated yellow and orange-brown sapphires. *J Gemm*, 18, 7, 1983, 607-22, 12 fig, 37 ref. JSL.

5826. SCHMETZER, K; MEDENBACH, O & KRUPP, H Das Mineral Kornerupine unter besonderer Berücksichtigung eines neuen Vorkommens in Kwale Distrikt, Kenya. *Zs Dt Gemm Ges*, 23, 4, 1974, 258-78, 11 fig, 6 tab, 51 ref. JSL.

5827. SCHMID, ERNST ERHARD FRIEDRICH WILHELM(1815-1885) & SCHLEIDEN, MATTHIAS JACOB

Ueber | Die Natur Der Kieselhölzer. | [rule] | Von | E.E.Schmid, Dr. und M.J.Schleiden, Dr. | Zugleich als fünftes Programm des physiologischen Instituts zu Jena. | [orn rule] | Jena, | Druck und Verlag von Friedrich Mauke. | 1855.

4°: X, 42 p; 7 fig on 3 litho pls(3 figs col). 27.6 x 19.1 cm(10 7/8 x 7 1/2 in). Cropped. JSL. GS 10-336.

Cont: tp; fwd; text tp; art by Schmid, art by Schleiden; pls.

The foreword, unsigned, has nothing to do with the text, giving instead the aims and work of the Institute. Schmid chemically examines and gives analyses for 10 specimens of silicified wood, while Schleiden describes the organic structure revealed by study through the microscope of polished thin-sections. Structure details are shown in the plates, several specimens being handsomely colored.

5828. SCHMID, HEINRICH

Die Modernen | Marmore Und Alabaster. | Deren Eintheilung, | Entstehung, Eigenschaften Und Verwendung | Nebst Einer | Übersicht Der Wichtigsten Marmorsorten. | Von | Heinrich Schmid, | Ingenieur Und K.K.Professor Der Staatsgewerbeschule | Zu Wien. | [rule] | Leipzig Und Wien. | Franz Deuticke | 1897.

8°: [3], [1 blank], 77, [1 blank], [1], [1 blank]p. Cloth. 21.3 x 14 cm(8 3/8 x 5 1/2 in). Cut, cropped. JSL. MK 1.80.

Cont: tp; publ data; tab cont; 7 chs; blank p; biblio(22 entries); blank p.

Mineralogically identifies the rocks to be discussed: limestones, marbles, dolomite, ophicalcite, ankerite, alabaster, anhydrite, all of which are lumped together under the commercial label of "marbles." Also remarks on the formations in which found, classification of limestones according to fossils found therein, merits & faults of marbles, results of weathering, uses, and in the sixth chapter, the largest, describes marbles from Europe, Africa, America, and Asia. The last chapter provides a table of compressibilities of marbles and other stones.

5829. -----1905 Die natürlichen Bau- und Dekorationsgesteine. Zweite Auflage. Wien: Graeser, and Leipzig: B.G.Teubner, 1905. Mk 1.40. Not seen.

SCHMID, HUGH SWEYN DE(1885-1978)

Canad geol/mineralogist; during WW I assumed the name Hugh Swaine SPENCE, to avoid problems arising from his German-sounding name. See obit under this name by J S Stevenson, *Amer Min*, 69, 1984, 591-2, portr, select biblio.

5830. -----1916 Feldspar in Canada. *Canada Dept Mines, Mines Br Publ* 401, Ottawa, 1916. 8°: viii, [2 p tissue insert of errata], [2], 125, [2]p + xxiii publs list; 22 pls; 12 fig; 2 maps. Pale brown print wrap. 24.8 x 16.3 cm(9 3/4 x 6 1/2 in). Cut. JSL. Scientific & commercial aspects, descriptions of deposits in which amazonite, perthite, and peristerite of gem quality occur. Also issued in Fr version.

5831. -----1932, 2nd edit under the name SPENCE, HUGH SWAINE *Canada Dept Mines, Mines Br Publ* 731, 1932. 8°: vii, 145 p; 13 pls; 16 fig; 7 maps. Pale brownish-green print wrap. 24.7 x 16.5 cm(9 3/4 x 6 1/2 in). Cut $.35. JSL.

5832. SCHMID, LEOPOLD

Bernstein | Von | Dr.Leopold Schmid | Privatdozent An Der Universität | Wien | Abteilungsleiter Am II. Chemischen Institut | Sonderausgabe Aus | Doelter-Leitmeier | Handbuch Der Mineralchemie | [logo] | Dresden Und Leipzig | Verlag Von Theodor Steinkopff | 1931

8°: VII, p842-943 + [1 advert]p + leaflet of [4]p adverts & postcard tip-in. Orange, print wrap. 25.6 x 17.9 cm(10 1/8 x 7 in). Mk 7.- JSL.

Cont: tp; publ data; fwd; tab cont; errata; text; advert; inserts.

Offprint from the monumental *Handbuch der Mineralchemie*, Vol 4, part 3, 21, paged as above. In keeping with the quality and completeness of information provided in this encyclopedic work, the present article presents a large amount of tersely-presented information, all selected from the best authorities, and covering all conceivable aspects of amber. The references number 613 and is the largest such list ever published on amber. The text begins with history of amber, its origin and inclusions, deposits, mining, classes of rough, preparation and processing, pressed amber, chemicals made from amber, amber in varnish, production statistics & industry, the Prussian monopoly and its operation. Next appear remarks on physical and optical properties, melting points, analyses, chemical characterization of amber and its chemical behavior, and reaction to heating. From the gemological standpoint, the next section is valuable for its discussions of the distinction of natural amber from imitations, while the final section treats briefly resins other than succinite. Rev K Andrée in *Bernst-Forsch*, H 3, 1933, 211-2; *Min Abstr*, 4, 1931, 484.

5833. -----1941 Geschichte und Technik des Bernsteins. *Deutsches Museum, Abhandl u Berichte*, 13, 3, 1941, 32 p. Not seen; from G R v Bock, 180.

SCHMIDEL, C C, see WIRSING, A L, 1776

5834. SCHMIDT, C J Das Wichtigste über den Opal im allgemeinen und über sein Vorkommen in Mähren im besondern. *Mitt K.K.Mährisch-Schlesische Ges f Ackerbau, Natur- u Landeskunde(zur Beförderung des Ackerbaues, der Natur- u Landeskunde)*, Brünn, 81-4, 290-3, 300-2, 355-6, 363-6, 371-4. Not seen.

5835. SCHMIDT, PHILIPP

Philipp Schmidt S.J. | Edelsteine | Ihr Wesen und ihr Wert bei den Kulturvölkern | Verlag Der Buchgemeinde/Bonn [1948]

8°: 172 p; doublep col pl of birthstones & cut & rough gemstones, with captions, tip-in betw p 160-1. Black paper over bds, black cloth spine with silver lett; crown of Hungary in col on cover with white lett; pale tan endp. 24 x 16.6 cm(9 3/8 x 6 1/2 in). Cut. Badly yellowing paper. DMk 9.-.

Cont: 1/2tp; tp; publ data; dedic; tab cont; fwd; 11 chs; append; index; biblio(p 171-2, 53 entries).

Excellent, scholarly study of the cultural history of gemstones from antiquity to the present. Remarkable for frequent references to classical works on gemstones in all aspects, furnishing many excerpts, some of considerable length. The text first treats materialistic and esthetic values of gemstones with emphasis on magical, medicinal, symbolic, and other spiritial values particularly as evidenced in early Mediterranean and Near East civilizations, with Schmidt deriving his information from early Greek, Roman, and Arabic sources. There follows a discussion of Biblical gemstones and the esteem of gems during the Middle Ages as recounted from Hildegard von Bingen, several Arabic scholars, Wolfram von Eschenbach, and others, and including a lengthy treatment on the philosopher's stone and the significance of engraved gem figures. There is also a chapter on Dante and his writings, particularly where the Divine Comedy is used to illustrate the poet's familiarity with gemstones and thus suggesting the importance of same in the culture of his time and place. Another corollary chapter examines the position of gemstones in our modern culture. Turning to another field, Schmidt then examines the lapidary treatment of gemstones, especially in Germany, but rather strangely, this technological chapter is followed by a short chapter containing a "consecration" formula or invocation for Epiphany in which gemstones are prominent, and a poem on birthstones by Theodor Korner, p 154-9. The appendix contains a gemstone glossary, with color and transparency indicated, the double-page color plate of gemstones(rather poor in quality and printed on paper little better than newsprint), and tables of chemical composition, element symbols, and hardness. As is evident from the bibliography, Schmidt was not a stranger to folklore and mysticism because no less than six books on these subjects are included in the bibliography. The present work is a fascinating hodgepodge of information but nevertheless enjoyed a high reputation and is still cited by writers treating the curious lore of gemstones. However, few copies have appeared in the market, no doubt due to many having disintegrated from the poor quality of the paper. Rev Dr A Schütt, *Achat*, 2, 3, 1949, 138-9, with detailed examination of contents. The following works by Schmidt were not seen by me and may contain substantial information on gemstones: *Talisman und Zauberwahn, ein Buch von Aberglauben Einst und Jetzt*, Köln/Einsiedeln, 1936, and *Dunkle Mächte - ein Buch von Aberglauben Einst und Heute*, Frankfurt am Main: Verlag J.Knecht, 1956.

SCHMIDT, P, see SCHONDORFF, E

5836. SCHMIDT, SÁNDOR(1855-1904)

A | Drágokövek | Irta | Schmidt Sándor. | [star] | Elsö Kötet. [Második Kötet.] | Tizenkilencz Eredeti Rajzzal. | Budapest. | Kiadja A.K.M. Természettudományi Társulat. | 1890. [in 2 vols]

Added title:

Természettudományi | Könyvkiadó-Vállalat. | A M.Tud.Akadémia Segítkézéseval | Kiadja | A K.M. Természettudományi Társulat. | [double rule] | XLI. | Schmidt, | A Drágokövek. | [star] | A VII. (1890-1892.Évi) Cziklus | Elsö Kötete | A Könyvkiadó-Vállalat Aláírói Számára.

Vol II title reads: A | Drágokövek. |...| [star] | Második Kötet. Harmincznégy Eredeti Rajzzal. |...| 1890.

I: 8°: VIII, 416p(last 2 p adverts); 19 fig. Dull, red-brown cloth, black orn frame enclosing title on cover; black title & orns, rules on spine; publ logo back cover. Pale tan endp. 19 x 12.7 cm(7 3/8 x 5 in). Cut. LC 15-4901. JSL.

Cont: ser 1/2tp; ser tp; tp; press data; dedic; pref; introd; text; index; advert.

II:8°: VII, [1 blank], 319, [1 advert]p; 34 fig.

Cont: ser 1/2tp; ser tp; tp; press data; tab cont; text; biblio (p 294-6, 23 entries); index to both vols; advert.

The most complete work on gemology published in Hungary in the last century, and dedicated to the celebrated Hungarian mineralogist, Andor von Semsey(d 1923), after whom the minerals semseyite and andorite were named. The first volume treats the cutting of gemstones, history of gemstones, cultural aspects, curious lore, and then passes to a discussion of the gemstones themselves, beginning with diamond. Much cultural material is included as well as locality information, but technical matters are deferred to the second volume. The descriptions include many rare and unusual gemstones as well as those that are commonly treated. Considerable information is provided on the precious opal of Hungary (actually now in Czechoslovakia). In the second volume are to be found chapters on the properties of gemstones, how determined, and then what appears to be a repetition of the descriptive portion of volume one, but which is actually a systematic mineralogical-gemological treatment designed to provide specific data on gemstones and the tests by which they may be identified. The illustrations are simple line drawings of gem cutting styles, gem sizes, apparatus, and diagrams of various types. The bibliography references several works in the Hungarian language but by far all entries are in other languages. Very scarce.

5837. SCHMIDT, WOLFGANG & MALZAHN, HEINZ

Industriemineral Diamant. Von Dr.rer.nat. Wolfgang Schmidt und Dr.re.nat.Heinz Malzahn. 301 Seiten und 159 Bildern im Text- und Tafelteil und 51 Tabellen. 16.5 x 23 cm. Cloth. Mk 47.-. In the series "Nutzbare Gesteine und Industrieminerale," published by VEB Deutscher Verlag für Grundstoffindustries, Leipzig, nd, ca 1980.

A book on industrial diamond written for use by mineralogists, geologists, and scientific as well technological personnel, and treating the properties, mining, recovery, preparation of stones, and trade, and with examples chosen from industrial applications to demonstrate how such diamonds may be advantageously used.

SCHMIDT, WOLFGANG, see MILASHEV, V A, 1979

SCHMIDT, WILHELM JOSEPH JAKOB(1884-)

Ger zool, specialty fine biol structures; PhD Bonn U 1908; prof zool in same; later prof zool & dir of Zool Inst U Giessen. Pogg 6, 2343-4.

5838. -----1923 Bau und Bildung der Perlmuttermasse. Tafel 1-5; 21 Abbild im Text. *Zoologischen Jahrbüchern*, 45, Abt f Anatomie, 1-148, 1923. Verlag Gustav Fischer, Jena. 8°. There are 5 double-leaf litho pls, tinted in part, and bound-in at end. 23.4 x 15.8 cm(9 1/4 x 6 1/4 in). Author's offprint, without print wrap, and not offered for sale. JSL.

Investigates the structure, growth, mineralogical nature, and optical properties of nacre, with a historical review of previous work, detailed accounts of the author's materials & methods, and results. Schmidt used petrographical thin-section method to elucidate the nature of minute calcium carbonate (aragonite) crystals & aggregates, especially as found in the so-called "prisms," although in the case of the special "helle Schicht" or translucent layer, where adductor muscles attach themselves to the valves, the crystals form different structures. This is the first work to clearly establish the fine structure and composition of nacre and these findings have been repeatedly cited in subsequent literature. The bibliography of 52 entries is augmented by other citations throughout the text.

5839. -----1923 Ueber den Bau der Perlen mit besonderer Berücksichtigung ihrer kristallinischen Elementarteile. *Archiv für Mikroskopische Anatomie*, Bonn, 97, 1923, p 251-82. Not seen.

5840. -----1928 l.Perlmutter und Perlen. *Die Rohstoffe des Tierreichs* [by F.Pax & W.Arndt], l.Lieferung. Enthaltend: Band II, Bogen 1-10, ausgeben am 1. August 1928. Inhalt: Kapitel XII. I.Perlmutter und Perlen. Von W.J.Schmidt. Berlin, Verlag von Gebrüder Borntraeger, 1928. Offprint: 8°: p 122-62, 80 fig, 1 fold pl; biblio p 157-60, 123 entries. Brownish-orange print wrap. 25.5 x 17.2 cm(19 x 6 3/4 in). JSL.

Comprehensive article on nacre and pearls, each dealt with separately, and summarizing the most important data, with excellent bibliography.

5841. -----1932 Studien über Pinnaperlen. I.Mitteilung: Über Prismenperlen von Pinna nobilis. II.Mitteilung: Über echte und gefälschte prismenperlen von Pinna nigrina. *Zs f Morphologie u Okologie der Tiere*(Abt A der *Zs f wissenschaftliche Biologie*) 25, 2/3, 1932. Berlin: Verlagsbuchhandlung Julius Springer. Offprints: 8°: p 235-277, 1 col pl of pearls, 24 fig; p 278-87, 8 fig; with supplied titlepages. 23.5 x 15.7 cm(9 1/4 x 6 1/4 in). JSL.

Describes pearls from the pinnas nobilis and nigrina, noting that falsifications of thc latter display features distinct from those in the natural specimens.

5842. SCHMIEDEL, EMIL ERWIN Schicksale um Edelsteine. Mainz: Rhein.Volksverlag, 1948. DM 6.80. "Ein Buch von Heimat, Menschen und edlen Steinen," ie, on the Idar Valley lapidary industry in Germany, its workers, their problems, etc. Not seen; rev in *ACHAT*, 2,3, 1949, 139.

SCHMIEDER, C, see THEOPHRASTUS, 1807

5843. SCHMIEDER, KARL CHRISTOPH(1778-1850) Versuch einer Lithurgik oder ökonomischen Mineralogie nebst einer Beleuchtung der Einwurfe des Herrn J.A. de Luc gegen die Geognosie des Verfassers. 2 vols. Leipzig, 1803-4. Not seen; E Kluge, *Edelsteinkunde*, 1860, p 2, lists this work as being helpful to the student of gemmology.

5844. SCHNACK, FRIEDRICH Mensch und Edelsteine. *Erdkreis, die Bildermonatsschrift Echter-Verlag*, Wurzburg, Juni 1961, p 222-45, 8 photos on 4 glossy f bound-in and counted in pag. JSL.

General on gemstones, some scientific information, but mostly on curious lore and other cultural aspects.

SCHNACK, F, see LANG, H

5845. SCHNEEBERGER, PIERRE F

The Baur Collection | Geneva | Chinese Jades | And Other Hardstones | by | Pierre-F.Schneeberger | Keeper Of The Baur Collection | (Translated By Katherine Watson) | Collection Baur - Geneve [1976; title in black & blue]

Cementb: 52 p + cat sect of [90]p + 36 glossy f bearing 106 b&w & 22 col photos, 14 drawings + 5 tissue f bearing 12 drawings. Unfin pale brown coarsely-woven cloth, gold lett spine. Col dj, front is black with jade photo & white lett; other avail catalogs. 28.3 x 22.7 cm(11 1/8 x 9 in). Cut. Glossy paper. USA $130.00(ca). JSL. Also in a special issue of 59 copies bound in full leather, see below.

Recto, last f: "Ce catalogue a été imprimé a 1600 ex. à savoit: 50 ex. reliés cuir numérotés de I a L 1500 ex.reliés toile numérotés de 1 a 1500 50 ex.H.C. réservés aux collaborateurs. N°484."

Cont: 1/2tp; distributors; tp; publ data; introd; refs used; introd in French; notes in French; gloss; lexique in French; cat title & catalog; biblio(2 p, 29 entries); statement of foundation & officers; limited edit notice; credits & print data.

In the introduction it is noted that the jade collection assembled by Alfred Baur(d 1951) of Switzerland, the subject of this catalog, is small in size and lacks comprehensiveness, with the result that the descriptions are by class of object instead of by "stylistic criteria" and "chronology." The introduction also provides notes on true jades as well as substitutes as "Indian jade," or aventurine quartz, jade colors, shapes & decoration, of carvings, technique of carving, styles, dating, esthetic considerations, etc. Several line drawings of jade vessel cross-sections appear here but are not repeated in the French introduction. The plates are beautiful and the accompanying text, largely in English and with briefer parallel remarks in French, gives dimensions, nature of the material, color, and other features of interest, and in some cases, line drawings of incised or shallow relief work. A few drawings are placed upon special translucent tissues that accompany some of the specially important pieces. Only a few other hardstone carvings appear, eg, rock crystal vases, a carnelian vessel, and several vessels in agate. All aspects of design, materials, and manufacture of the book itself are of a high order but it is difficult to understand how a "perfection" instead of sewn binding was settled upon. Rev *Apollo*, 105, Apr 1977, 309-10; J M Hartman, *Oriental Art*, 25, Spring 1979, 116-7; summary by G M Born, 306; Yang 1856.

5846. SCHNEEBERGK, ISRAËL HIEBNER VON

Mysterium | Sigillorum, Herbarum & Lapidum | Oder | Vollkomene Cur und Heilung aller Kranck= | heiten Schäden und Leibes=auch Gemüths=Be= | schwerungen durch underschiedliche Mittel ohne | Einnehmung der Artzney. | In 4.Classen ordentlich abgetheilt Alss | I.Erste Cur und Heilung durch die himmlische Influenz mit Hülff | der Kräuter und Wurtzeln. | II. Zweyte Cur und Heilung durch die himmlische

Influentz aus den | Metallen und Steinen mit Hülff der 7. Sigillen. | III. Dritte und zwar Summarische völlige Cur und Heilung durch | die Zusammensetzung der 7. Metallen und Sigillen. | IV. Vierdte Cur und Heilung aller Menschlichen Laster und Gebrechen. | [woodcut of Mercury?] | Mit beygefugten Figuren und Kupfferstücken/auch gantzem Grund | dieses Astronomisch= und himlischen Processus. | Israel Hiebnern von Schneeberg/Mathematicum bey der uhralten Vniversität zu Erffurdt. | [rule] | In Verlegung Johann Birckner's Buchhändlers. 1651,

4°: [2], 166, [31], [1 blank]p. Approx correct collation as given by Ferguson, 2, 339 for the 1696 edit.

All bodily and mental ailments which are connected in some way to the baneful or beneficial influences of celestial bodies are here described along with their treatments, the cures for same involving the use of herbs, metals, precious stones, and other materials as worked up into talismans and amulets. Other editions appeared in Erfurt, 1652 and Leipzig, 1653; not seen.

SCHNEIDER, J G, see THEOPHRASTUS, 1818

SCHNEIDER, OSKAR(1841-1903)

Ger geol & archeol; PhD Leipzig U 1866; prof Annen-Realgymnasium Dresden, retiring 1893. Pogg 4, 1341-2.

5847. -----1883

Naturwissenschaftliche Beiträge | zur | Geographie und Kulturgeschichte | von | Dr.Oskar Schneider. | [orn rule] | Dresden | Verlag von Bleyl & Kaemmerer. | 1883.

8°: [7], [1 blank], 276 p; 12 pls(1 full col, several part tinted, 1 tinted fold map), Pale gray wrap, cover title. 24.2 x 17.1 cm(9 1/2 x 6 3/4 in). Uncut. USGS Kunz Coll, GS 34-475.

Cont: tp; dedic; pref; tab cont; 5 arts; pls.

Especially interesting to the gemologist are I. Über Anschwemmung von antiken Arbeitsmaterial an der Alexandriner Küste, p 1-52, Pl 1(sketch map Alexandria Harbor, Egypt). Detailed description of a large quantity of gem material washed up on the shores of the Alexandria Harbor: emerald, sapphire, chrysolite, turquoise, lapis lazuli, cordierite, garnet, amazonite, fluorite, leucite, onyx, chalcedony, agate, other quartzes, etc, altogether 37 distinct materials which Schneider believes to have been the stock of a lapidary or gem dealer, perhaps accidentally lost overboard from a ship or as a result of shipwreck. III. Über den roten Porphyr der Alten, p 75-176, Pl 2, also a panorama & fold chart. See below for another entry this subject. IV. Zur Bernsteinfrage, insbesondere über sicilianischen Bernstein und das Lynkurion der Alten, p 177-213, Pl 6 (map). See below.

5848. -----1887

Über den | roten Porphyr der Alten | von | Dr.Oskar Schneider. | Mit einer Karte von Ägypten und 8 Lichtdruckbeilagen, sowie einer | grossen Karte und einem Panorama der zwischen Nil und rotem | Meer liegenden Porphyrgebirge von Dr.G.Schweinfurth. | [rule] | Separatausgabe aus des Verfassers: | Naturwissenschaftliche Beiträge zur Geographie und Kultur- | geschichte. | [rule] | Dresden | Gilbers'sche Königl. Hof-Verlagsbuchhandlung | (J.Bleyle) | 1887.

8°: [1], [1 blank]p + p[75]-176; 8 fig, 9 pls(tinted sketch map of Egypt; col photos of porphyry; 4 col pls; 3 drawings) + part col fold map + fold tinted panoramic sketch. Pale gray wrap, cover title. 23.1 x 16.5 cm(9 1/8 x 6 1/2 in). Cropped. BM(NH). Cont: tp; text; pls.

The handsome, reddish porphyry, long esteemed in ancient Egypt for use in monuments and statues, and exported throughout the Mediterranean region, is thoroughly examined in respect to petrography, sources, quarries, the remains of this stone in Egypt, its use in Italy and Constantinople, and in the Roman provinces as well as in other places in Europe. The large part-colored sketch map shows porphyry outcrops while the tinted panorama depicts the mountain range in which the principal quarries are located.

5849. -----1887

Zur Bernsteinfrage, | insbesondere über sicilianische Bernstein und | das Lynkurion der Alten. | Von | Dr.Oskar Schneider. | [rule] | Separatausgabe aus des Verfassers: | Naturwissenschaftliche Beiträge zur Geographie und Kultur- | geschichte. | [rule] a Dresden | Gilbers'sche Königl. Hof- Verlagsbuchhandlung | (J.Bleyl) | 1887.

8°: [1], [1 blank]p + p [177]-213; Pl 11, sketch map part tinted of Sicily tip-in at end. Pale gray wrap, cover title. 23.6 x 16.8 cm(9 1/4 x 6 5/8 in). Cropped. BM(NH). Cont: tp; text; map.

Doubts as to whether Sicily produces amber are dispelled by the evidence gathered by Schneider; he refers to studies of recent years made on ambers of Europe, gives details on Sicilian ambers, their deposits, types, colors, inclusions, physical & chemical properties, and remarks on the collections that contain examples. He discusses fully the possibility that the as yet unidentified "lyncurion" of the ancients is amber.

5850. SCHNEIDER, OSKAR & ARZRUNI, ANDREAS(1847-1898) III.Der aegyptischen Smaragd von Oskar Schneider (Dresden) nebst einer vergleichenden mineralogischen Untersuchung der Smaragde von Alexandrien, vom Gebel Sabara und vom Ural von A.Arzruni (Aachen). *Zs f Ethnologie*, Berlin, 24, 1892, 41-100.

The discovery of the Alexandrian hoard of gemstones and other materials, including glasses, enamels, partly-worked, and finished gemstones during 1867-9, inspired the present study of Egyptian emeralds in a monograph of great historical and archeological value, not to mention the numerous gleanings of pertinent information from ancient writers who mentioned Egyptian emerald. As a result of the discovery of the hoard, a controversy arose concerning the origin of the emeralds - were they from Egypt or were they from the Urals? Andreas Arzruni, the eminent European mineralogist, was called in to examine the specimens and compare them to emeralds from Gebel Sabara in Egypt and from the Urals. From his examinations, especially of inclusions, he concluded that the Alexandrian stones were from Gebel Sabara. In the course of his study, Schneider examined works by K R Lepsius(1810-1884), a German egyptologist, Leo Africanus, Diodorus Siculus, Ptolomy Philadelphus, Solinus Polyhistor, Aelian, Lucian, Strabo, Olympiodorus, and other ancient writers, and took much from a treatise on gemstones by Masudi(Abu-al-Hasan Ali al-Masudi, d 956 AD) and Achmed Teifaschi(13th c Cairo gem dealer), not to mention much later accounts of travelers, explorers, and visitors to the Gebel Sabara emerald mines. Among the latter may be mentioned Frédéric Cailliaud(1787-1869) whose account is referenced elsewhere in the present bibliography, and who rediscovered the emerald

mines in 1816. The present account by Schneider is of great importance but is rarely mentioned in the ordinary gemological bibliographies; it deserves translation into English and other languages. USGS Kunz Coll, GS 34-1005.

5851. SCHNEIDER, PHILIP, F (1870-)

A Preliminary Report | On The | Arkansas Diamond Field | By | Philip F.Schneider, M.Ph. | [rule] | Issued by the | Bureau of Mines, Manufactures and Agriculture | Guy B.Tucker, Commissioner | [rule] | Central Printing Company | Little Rock, Arkansas | 1907

Centerstapled: 16 p; portr photo of John Wesley Huddleston. Pale brown wrap, title in double-rule frame on cover. 23.1 x 15.3 cm(9 1/8 x 6 in). Cut. JSL. GS 8-444.

Possibly the earliest authoritative account of the diamond field near Murfreesboro, Arkansas and its initial history. The author was beset by difficulties in preparing this paper because of the refusal of mine owners to grant him permission to examine the land. Nevertheless he concludes that the deposit is most likely a kimberlite pipe occurrence. The portrait is of the discoverer of diamonds at the deposit. Schneider also wrote "A descriptive catalogue of the diamond-bearing rocks," to accompany an exhibit at the Arkansas Bureau of Mines; issued by Commissioner Guy B. Tucker, Little Rock, 1907, 3 p. JSL. These early papers on the Arkansas diamond mine are now rare.

5852. SCHNEIDERHÖHN, HANS(1887-1962)

Band II | Die Pegmatite | von | Hans Schneiderhöhn | Dr.phil., emeritierter ordentlichen Professor der Mineralogie | Gesteins- und Lagerstättenkunde | Sölden über Freiburg i Br. | Mit 264 Abbildungen | im Text und auf 16 Falttafeln | [logo] | Gustav Fischer Verlag · Stuttgart | 1961

In the series: Die Erzlagerstatten der Erde...1961.

8°: XVIII, [1], [1 blank], 720 p; 264 ill, some fold, some tip-ins as photos, maps, sketches, diagrams. Black cloth, gold lett on cover; gold spine title on red panel with logo. 24.2 x 16.3 cm(9 1/2 x 6 3/8 in). Cut. DM 86.-. JSL.LC 59-35345.

Cont: ser 1/2tp; ser tp; tp; publ data; dedic; tab cont; fwd; 3 chs + 6 main sections; biblio(p662-90, 779 entries); subj index; localities index; name index.

An admirable, very detailed review of all significant literature on pegmatites, with comparisons of views on origin especially, and conclusions on the part of Schneiderhöhn, and with many dozens of examples of pegmatite bodies from many countries, and descriptions of mineral suites, the formation of crystals and cavities, and including much on pegmatites yielding gem crystals. The bibliography is outstanding and an invaluable guide to much literature that deals with gem-bearing pegmatites. Rev K Chudoba, *Der Aufschluss*, Jg 14, 1, 1963, 24-5, "contains everything worth knowing about pegmatites since Haüy." In the same journal, Chudoba also published an obituary, Heft 4, 106-7.

5852A. SCHNEIRLA, PETER & PRODDOW, PENNY

Tiffany | 150 Years of Gems And Jewelry | [col photo vignette of Tiffany yellow diamond] | By Peter Scheirla And Penny Proddow [New York by the company, 1987]

Cementback: [1], [1 blank], 10, [1], [27]p; 26 col photos. Plasticized black wrap, pale blue title & large col photo of Tiffany diamond on front cover; kunzite crystal back cover. 21.4 x 21.2 cm(8 3/8 x 8 3/8 in).

Cont: inside front cover publ data; tp; blank p; text; pls tp; pls; footnotes; pl 26 & back cover caption.

Handsome, tastefully-designed resume of company history with valuable notes on exhibitions in which the company participated and with due credit to endeavors of Dr George F Kunz, vice president. The color photographs are beautiful, very sharp, and a credit to the selection of jewels and other objects depicted.

5853. SCHOETENSACK, OTTO(1850-1912)

Die Nephritoide Des Mineralogischen Und Des | Ethnographisch-Prähistorischen Museums Der Universität Freiburg Im Breisgau. | [orn rule] | Inaugural-Dissertation | Zur | Erlangung Der Philosophischen Doctorwürde | Vorgelegt Der | Hohen Philosophischen Facultat | Der | Universität Freiburg Im Breisgau | Von | Otto Schoetensack | Aus Stendal. | [taper rule] | Berlin 1885. | Druck Von Gebr.Unger(Th.Grimm) | Schöneberger Strasse 17a.

8°: [4], 33, [1 blank], [1], [1 blank]p. Pale green wrap, title on cover. 24 x 14.8 cm(9 1/2 x 5 7/8 in). Uncut. USGS Kunz Coll, GS 34-807. Published simultaneously in the *Zs f Ethnologie*, 1885, 157-89.

Descriptions & remarks on numerous specimens of nephrite and nephrite-like rocks and objects preserved in the mineralogical and ethnographic-prehistoric museums of Freiburg University. The materials are nephrite, jadeite, chloromelanite, with a general discussion of the mineral substances commonly classed as "jades."

5854. -----1887 Nephritoid-Beile des Britischen Museums. *Zs f Ethnologie*, Berlin, 1887, 119-48, 54 ill; not seen.

5855. SCHOFF, WILFRED H

The Periplus | Of The Erythraean Sea | Travel And Trade In The Indian Ocean | By A Merchant Of The First Century | Translated From The Greek And Annotated | By | Wilfred H.Schoff, A.M. | Secretary of the Commercial Museum, Philadelphia | [logo] | Oriental Reprint | [logo] | Oriental Books Reprint Corporation | 54, Rani Jhansi Road, New Delhi-110055 [1974]

The original edition was published in 1912 by Longmans, Green, And Co., of New York, and its titlepage is reproduced above up to and including the seal device; the verso is altered but thereafter the text is a facsimile.

8°: [3], [1 blank], 323, [1 blank] + tip-in fold map at end. Numerous text photos & ills. Pale gray-green cloth, gilt spine title; pale yellow dj with blue panel containing title in white; flap summary & list of other publ titles. 21.4 x 13.9 cm(8 3/8 x 5 1/2 in). Cut. JSL.

Cont: tp; publ data; tab cont; fwd; introd; biblio(p 17-21); text; notes; list of trade goods; list of articles subject to duty at Alexandria; date of Periplus; rulers mentioned therein; index; blank p; map.

The word periplus means "voyage description," somewhat like a modern navigational "pilot," and in this case relating a voyage around the Red Sea. It was written about 60 AD although Schoff is careful to record differing opinions. The writer remains unknown. Among the variety of goods, raw materials, and objects of trade that are mentioned in the text are gemstones and precious materials commonly discussed in the same breath as mineral treasures. More or less extended commentaries on these

are found among the notes and thus form the principal reference value of this work insofar as gemological material is concerned. These are ivory 61, 193; obsidian 66; murrhine 68; tortoise-shell, rhino horn 73, 227; copal, 80; alabaster 114; coral 128, 168; pearls 148, 156; topaz(in part peridot) 167; turquoise 170; lapis lazuli 170-1; agate & carnelian 193-4; transparent gemstones 222-4; diamonds 224-6; sapphires 226-7; pearl fisheries 239-41. See also L Casson's *Periplus Maris Erythraei*, 1989, LC 88-15178, ISBN 0-691-04060-5, which covers the same subject and provides a new translation as well as an extensive commentary.

5856. -----1920

The Ship "Tyre" | A Symbol Of The Fate Of Conquerors | As Prophesied By Isaiah, Ezekiel And John | And Fulfilled At Ninevah, Babylon And Rome | A Study In The Commerce Of The Bible | [ship vignette] | By | Wilfred H.Schoff | Secretary of the Commercial Museum, Philadelphia | Longmans, Green And Co. | Fourth Avenue & 30th Street, New York | 39 Paternoster Row, London | Bombay, Calcutta, and Madras | 1920

8°: 157, [3 blank]p; 15 ill on 6 glossy tip-in f. Dull, light gray-green buckram. 23.1 x 15.4 cm(9 1/8 x 6 1/8 in), Cut. A half-page(!) is supplied to face p 92, which continues text of p 93. USGS Kunz Coll.

Cont: 1/2tp; tp; publ data; tab cont; fwd; quotes; text; append; abbrev index; 3 blank p. Ch 12, p 111-30, describes Biblical gemstones & associated lore, with several tables of gemstones and other information borrowed from G F Kunz's *Curious Lore*. Information includes High Priest's breastplate and several dozen gemstones described as per list on p 129-30.

5857. SCHÖNBERGER, GUIDO Narwhal-Einhorn; Studien über einen seltenen Werkstoff. Städel-Jb, Frankfurt am Main, 9, 167-247, 1935-69 not seen, from Ettinghausen 187.

SCHOLLMEYER, KARL, see SCHONDORFF, E below

5858. SCHONDORFF, ERICA

Schmuck | Und Edelsteine | Herausgegeben von Erica Schondorff | [line drawing] | Mit 123 Abbildungen | [rule] | Droemersche Verlagsanstalt | München [1955]

8°: 236, I3], [1 blank]p; 17 col & 32 b&w ill on 16 bound-in f; 39 text fig; tab. Pale blue unfin cloth, gold & black crystal on cover, black & gold spine panel with blue & black lett. Pale blue endp overprinted with black & gray world map of gemstone localities. Black dj, color bracelets on cover; resume, a bk resume. 19.8 x 12.5 cm(7 3/4 x 4 7/8 in). Cut. Te stained pale yellow. JSL. LC 56-27777.

Cont: 1/2tp; tp; publ data; tab cont; text; ackn; ill credits; blank p.

Interesting, well-written essays & poems by established authorities on various aspects of jewelry and gems. Includes two important essays by Philipp Schmidt, the well-known German authority on the curious lore of gems, an article by Max Hahn who devotes much detail to gemstones and pearls with sections on composition, occurrences, values, imitations, and synthetics, all of which has much merit, and essay on the work of the goldsmith by Karl Schollmeyer that contains information on coral, ivory, amber, and engraved gems. The above essays occupy almost 150 pages.

5859. SCHÖNFELD, JUTTA Über die Steine: das 14. Kapitel aus dem "Kitāb-Mursid" des Muhammad Ibn Ahmad At-Tamīmī [sic], nach dem Pariser Manuskript herausgegeben, übersetzt und kommentiert. Freiburg: Klaus Schwarz Verlag, 1976. [4], 259 p. "Islamkundliche Untersuchungen. Band 38."

Mineralogical and gemological extracts from the large Arabic treatise on medicine and medicaments, from the Parisian manuscript. Schönfeld notes that this pharmocopeia is "one of many dealing with simple healing materials, which borrow from Greek pharmacopeias, particularly those of Dioscorides and Galen." Among the contents are a list of abbreviations, index to the literature, a biography of al-Tamīmī, descriptions of the manuscripts, orthographic and stylistic singularities, a discussion of medicine and magic, and the heavily annotated translation with Arabic text. In general, the two classes of stones to be found in this work are (1) the "eye-healers" as antimony, pearl, zircon, emerald, carnelian, hematite, coral, lapis lazuli, jet, turquoise, and meerschaum, among others, and (2) personal protective devices that incorporate diamond, malachite, bezoar, and others. *Isis*, 103 critical biblio, vol 69, 1978, p 64.

SCHOON, THEO(1915-)

New Zealand artist, carver in jade; b Java; stud art & painting Rotterdam; then settled in NZ; stud arts of the Maori; accomplished carver in other materials besides jade.

5860. -----1973

Jade Country | Theo Schoon | Jade Arts - Sydney [Sydney, New South Wales: Jade Arts, P.O.Box 251, Artamon, 1973]

8°: 143 p(first f blank); col front photo of author; col map; 107 col photos; 20 col drawings. Vermilion cloth-like paper over bds; gold titles on cover & spine. Black dj, carved jades on covers; gold lett, resume, vita. 24 x 18.2 cm(9 1/2 x 7 1/8 in). Cut. AUS $5.95. ISBN 0 909250 00 6. JSL.

Cont: blank f; 1/2tp; portr; tp; publ data; fwd; map; tab cont; 9 chs; ill list; blank p.

In the introductory chapter, Schoon tells how he became interested in New Zealand nephrite and from the Maori greenstone carvings evolved his own designs which he executed into carvings, and in the process learned about the large variety of New Zealand nephrites and some of the interesting history of the export trade in raw nephrite, local sources, recent finds, varieties and their native designations, present-day collecting activities, etc. Additional history appears in the second chapter, which is followed by chapter on searching for jade in the field. Remaining chapters take up local lapidary practises & trade, the jade tradition among the Maoris, modern carving practise & design, jade in Hong Kong, and rough jade in Australia. All is related in easily-understood language, yet containing much valuable information on New Zealand jade quite aside from those sections dealing with his own beautiful carvings. The twenty color drawings, for example, are designs for pendants in the curvilinear tradition of Maori design, yet are unmistakeably not Maori. The color photographs showing many types of jade rough, also slabs, and carved pieces, are unmatched either in number or quality in any other work on New Zealand jade. Rev J H Oughton, *Austral Gemm*, 12, 2, 1974, 59; summ by G M Born, 306.

5861. SCHOONER, RICHARD

The Mineralogy Of Connecticut | By | Richard Schooner |...[4 lines]... | Published by Fluorescent House | Branford, Connecticut | 1961 | Price $3.50 | Copyright 1961 | Richard Schooner

Metal clasps: single leaves, 2-holed: [4], 89, [1]p. Pale blue wrap, cover title. Typescript. 28 x 21.5 cm(11 x 8 1/2 in). JSL.

Not a mineralogy in the usual sense of the word, but rather a listing of the minerals and places where found, type of deposit, associates, sizes, qualities, etc, and including a few gemstones as beryl, quartzes, topaz, and tourmaline.

5862. SCHOPPER, JACOB

Biblisch Edelgesteinbüchlein/ | Das ist: | Abcon=] trofähung/ beschrei= | bung/und Geistliche Be= | deuttung der zwölff Edelgestein/ | welche der Hohenpriester im Alten Te= | stament an dem Amptschiltlein seines Ho= | henpriesterlichen Kleides getragen/darein | die Namen der zwölff Stämm Israel | sind eingegraben wesen/wie E= | xodi am 28. zu le= | sen ist. | In welchen wir allerley Christli= | cher Lehren/Vermanungen und | Trostes erinnert werden. | Durch Iacobum Schopperum, der | h.Göttlichen Schrifft D.Prediger und | Professor bey der Nürnbergischen | hohen Schul zu | Altdorff. | [rule] | [orn] MDCIIII. [orn] [all enclosed in elaborate woodblock frame; 1604]

8°: [28], 256, [2]p; A-a, alternately 8's & 4's; each p enclosed in a beaded frame; ch orns; orn inits; woodcut of a stepcut gem p 13. Examined xerox copy only in BM(NH).

Cont: tp; pref; to the reader; "on the twelve gemstones.. (p 1-13)," thereafter each of the stones examined; index to the stones; print note.

A very early work on the twelve gemstones in the High Priest's breastplate, giving descriptions, significance, etc. In order these are sard, topaz, emerald, ruby, sapphire, diamond, lyncurion, agate, amethyst, turquoise, onyx and jasper. Mentioned by P Schmidt, *Edelsteine*, 1948, 104; Hoover finding list; Gatterer II, 16; Banks Libr.

SCHOUW, JOACHIM FREDERIC or FREDERIK(1789-1852) & KOBELL, FRANZ VON(1803-1882)

Schouw was a Danish botanist, politician, author; stud Copenhagen U; apptd prof botany 1821; mbr and later, pres Danish Assembly. DSB 12. For Kobell, see under his name.

5863. -----1852

The | Earth, Plants, And Man. | Popular Pictures Of Nature. | By | Joachim Frederic Schouw, | Professor Of Botany In The University Of Copenhagen. | And | Sketches From The Mineral Kingdom. | By | Francis Von Kobell. | Translated And Edited By | Arthur Henfrey, F.R.S., F.L.S., &c. | Lecturer On Botany At St.George's Hospital, Author Of "The Vegetation Of | Europe," &c. &c. | London: Henry G.Bohn, York-Street, Covent Garden. | 1852. [Bohn's Scientific Library]

8°: [6], 402p + 32 p book cat; front hand-col pl with tissue, tip-in. Red cloth, elaborately blind-stamped all surfaces; gold spine title. Blue-pattern endp borders enclosing adverts. 18.2 x 11.5 cm(7 1/8 x 4 1/2 in). Uncut. JSL.

Cont: 1/2tp; front; tp; print data; pref; tab cont; Schouw's essay p 1-246; Kobell's essay 247-394(with own title & pref); index to both; advert.

"The essays on the precious stones and metals were delivered as lectures in the Museum of Munich, and were subsequently published in the "Deutsche Vierteljahrschrift." Kobell's essay consists of 4 chapters on precious stones, ordinary stones, precious metals, and ordinary metals. That on precious stones, 249-77, apparently hitherto unnoticed in gemological bibliographies, provides an interesting, informal survey of gemstones: properties, esteem of, where obtained, and descriptions of major and many minor kinds, all emphasizing romantic aspects rather than technical substance. The following chapter on ordinary stones, 278-323, includes some information on ornamental and monumental stones, also meerschaum and fluorite.

5864. -----1856, Danish transl

Populaire | Mineralogiske Skizzer | Af | Franz v.Kobell, | Oversatte Af | J.P.Lefolii. | [double rule] | Kjøbenhavn.| Forlagt Af Boghandler H.Hagerup. | Louis Kleins Bogtrykkeri. | 1856.

8°: 186, [5], [1 blank]p. Pale lavender paper over bds, title on cover in orn frame; spine title; back cover same frame enclosing date. 21.5 x 13.5 cm(8 1/2 x 5 3/8 in). Uncut. JSL.

Cont: tp; fwd; 4 chs; index; remarks; blank p.

The remarks note that Kobell's *Skizzen aus dem Steinreiche* first appeared in Munich in 1850(see Ward & Carozzi, 1289), while the first excerpt of same was published (in Denmark?) in "Faedrelandets Feuilleton i Begyndelsen" in 1854. The first chapter is on gemstones, p 5-41, and that on ordinary stones, 42-97 forms the second.

SCHRAUF, ALBRECHT (1837-1897)

Ger mineralogist, crystallographer; PhD Vienna U & prof. Pogg 4, 1351. Obit; H A Miers, *Min Mag*, 12, 1898, 42; *Verhandl K K geol Reichsanstalt*, 1897, 313-4.

5865. -----1869 Handbuch der Edelsteinkunde, Mit 43 Holzschnitten. Wien: Druck und Verlag von C.Gerold's Sohn, 1869, 4 p, 1, 252 p, includ ills, tabs. diagrs. 22 cm. Not seen. USGS Kunz Coll, GS 34-428. BMC.

5866. -----1869 Studien an der Mineralspecies: Labradorit. Sitzungber k Akad Wiss, Math-Naturwiss Kl, Wien, 60, Abt 1, 1869, 996-1053, Pls 1-4(with pls 1-3 showing inclusions & vividly col in part; other pls of crystal forms). Studies labradorites from Kiev and Labrador, with descriptions and illustrations of the fascinating inclusions of several types and their mineralogical identity; in the case of aventurescence-causing inclusions, and those thought to be color-causing, the crystallographic orientations are given. Among the most attractive of color plates of inclusions that I have ever seen.

5867. SCHREINER, K Venus und Virginitas. Zur Symbolik des Smaragds und zu seinen "virtutes." *Mittelalterliches Jahrb*, 4, 1967, 26-60. Not seen.

5868. SCHREITER, R Nephrit von Ebendorf in der bayerischen Oberpfalz. *Sitzungsber u Abhandl naturwiss Ges 'Isis' in Dresden*, 1911,p 44-7, 76-88. Not seen.

5869. SCHRIFTEN DER IN ST PETERSBURG GESTIFTETEN RUSSISCH-KAISERLICHEN GESELLSCHAFT FÜR DIE GESAMMTE

MINEROLOGIE. I.Band, I.Abtheilung, 1842. 8°: p CXVI-CXXIX, 4 pls.

A most valuable contribution to the mineralogy of the Uralian emerald deposits; these were discovered ca 1831 and investigated mineralogically and petrographically by von Wörth, G Rose, O B M Kämmerer, E von Lenz, and von Nordenskjöld who particularly examined the famous alexandrite first found here and noted that the discovery occurred in 1833 on the same day that Tsar Alexander Nikolaevich reached his majority and that the principal colors, green & red, are the same as the principal military colors of the Russian Empire. From p CXXVI are notes on the fine emeralds also discovered here and the official account of the initial discovery in 1831. The plates are fascinating, two being water-colored full-size renditions of alexandrite crystal groups, enhanced by sprinklings of glittering black material(hematite?) simulating the enclosing black mica; one of the plates shows the group in daylight(dull green color) and a matching plate shows the same group in artificial light(dull red), both reasonably faithful to actual appearances. These drawings, in color, with similar "glitter" are found upon Pl 9 of F A Schmidt's *Mineralienbuch*, Stuttgart, 1850, but the colors are unrealistically vivid. A final note discusses, and a plate depicts, a calcite-lined cavity in dark gray limestone containing 4 euhedral emeralds from simply "America" but recognizable as from Muzo, Colombia; its value in the reign of Catherine the Great was placed at 22,000 rubles. The specimen was presented to the Gesellschaft by noted British mineral dealer and collector, H Heuland(heulandite).

5870. SCHRÖDER, ALFRED Der brasilianische Edelamblygonit. *N Jb Min*, 1954, 257- 66, 3 fig, 6 tab. Recently-found gem quality yellow amblygonite from Minas Gerais, Brazil described: composition, SG, dispersion, orientation optical axes; tables & measurements RI vs various wavelengths; 4 refs.

5871. SCHRÖDER, JOHANN(1600-1664) Pharmacopeia medico-chymica. Frankfurt am Main, 1641; several edits to 1685. Not seen. Mentioned by Franz v Kobell, *Geschichte der Mineralogie von 1650-1860*, München, 1864, p 33-5. Contains considerable material on minerals and gemstones as used in medicine, but stressing occult or magical powers, planetary influences, etc.

5872. SCHROEDER, PHILIPP RICHARD De jure succini in regno Borussiae, vom Recht des Börnsteins im Königreich Preussen. Resp: Julius Aegidus Negelein. *Jur Diss Königsberg*, 1722, 55 p, 8°. Not seen; G R v Bock, 170.

SCHROMM, A, see SMITH, E B & SCHROMM, A

SCHRÖTER, JOHANN SAMUEL(1735-1808)

Ger naturalist; b Rastenburg, Weimar; sometime Supt Ducal Nat Hist & Art Cabinet, Weimar; mbr various learned socs. *Biogr Univ*, 41, 246; Pogg 2, 846.

5873. -----1774-84

Vollständige Einleitung | in die | Kenntniss und Geschichte | der | Steine und Versteinerungen, | von | Johann Samuel Schröter, | ersten Diaconus an der Stadt= und Pfarrkirche zu St.Petri und Pauli zu Weimar, der | Churfürstlich Sächsischen physicalish=öconomischen Bienengesellschaft zu Oberlausitz, | und der Churfürstlich Maynzischen Akademie nützlicher Wissenschaften zu | Erfurth, ordentlichem Mitgliede. | [rule] | Erster[- Vierter] Theil. | [engrav vignette] | [double-rule] | Altenburg, | in der Richterischen Buchhandlung. | 1774[-76, 78, 84]

Vol I: 4°: [8], XXXII, 424 p. 23.3 x 20 cm(9 1/4 x 7 7/8 in). Cut. USGS Kunz Coll; Ward & Carozzi, 1996. GS 9-162. Agassiz IV, 289.

Cont: tp; dedic; pref; tab cont; text.

Only this volume is described here because of its content of gemstones and ornamental stones that are treated in detail. However, as the author explains, the text had been set by the time he received a copy of the just-published *Abhandlung von Edelsteinen*, 2nd edit, 1773, by U F B Brückmann, and was unable to do more than incorporate the gists of statements on some 30 important gemstones in his own preface, p VII-XVIII. This preface is followed by a remarkably detailed table of contents, and the text itself up to p 54 discusses the generalities of minerals and their properties, then passes to descriptions of gemstones and ornamental stones, p 55-318, or almost the entire work. These are classified according to degree of diaphaneity, from transparent to opaque, then named, and properties 2nd other features described, also lapidary treatment, engraved gems, values, and distinctions between real and false stones. The work is encyclopedic and presents a fair picture of the state of gemological knowledge at the time.

5874. -----1779

Die | Geschichte | der | Flussconchylien | mit | vorzüglicher Rücksicht auf diejenigen | welche | in den thüringischen Wassern | leben | von | Johann Samuel Schröter | ersten Diaconus an der Stadt= und Hauptpfarrkirche zu St. Petri und Pauli in Weimar; |...[honors & mbrships]...| Freunde in Berlin, Mitglied. | [rule] | Mit eilf Kupfertafeln. | [orn rule] | Halle, | bey Johann Jacob Gebauer. 1779.

4°: VI, 434 p; $a^{3:}$ A^4-Zz^4, Aaa^4-Hhh^4, Jjj; 11 engrav pls, all hand-col save Tab X & Tab XI, bound-in. 23.7 x 19 cm(9 3/8 x 7 1/2 in). Cropped. Hdpcs & orn rules. JSL. Agassiz IV, 288.

Cont: tp; pref; 4 text sects; index; pls.

The foreword gives the plan of the work, with the statement that the author collected shells for 13 years prior to putting pen to paper in this treatise entirely devoted to the freshwater mollusks, especially those living in the waters of Thuringia, Germany. In furtherance of his work, he also maintained an extensive correspondence with collectors and scientists in other countries of Europe. The copper plates were executed by a certain Capieux in Leipzig, who prepared ten of them under direct supervision by the author, but the 9th plate was sent off to another and did not turn out as well. The first part of text is an admirable summary of the work of other conchologists, identifying their writings, explaining their systems of classification, original researches, and discussing other matters that contribute to the knowledge of freshwater mollusca. Apparently Schröter held to high standards because only several of such authorities met with his approval. The second part surveys the mollusks, one chapter describing the shells and the other the animals. The third part systematically describes the mollusks in detail and contains much that is interesting and authentic on the pearl-bearing shellfish with which the author was obviously familiar. The "pearl mussel" is specifically treated on p 168-78 and includes synonymy, previous writers on same, descriptions, sizes, habitats in European waters, and places where fished for their pearls, eg, Scandina-

via, Voigtland, etc. The author notes specially that the Elster River in Voigtland is particularly productive of pearls. Other data: fishing methods, how pearls occur within the shells, origin, colors, values, how a pearl-bearing mussel can be detected from certain outward signs, and a mention of the Chinese technique of pearl culture using inserted foreign bodies. The final part of the book describes "worm" shells, most of which are the sticklike structures produced by larvae of aquatic insects. The plates are handsomely & richly colored. A treasured work, now quite scarce.

5875. -----1779 Die Geschichte des Lapidis Mutabilis, oder des sogenanten Weltauges, nebst der Beschreibung einiger Beyspiele dies Steins. *J für die Liebhaber des Steinreichs und der Konchyliologie*, Weimar, 5, 1779, 325-56. Not seen. Weltauge = hydrophane opal.

5876. -----1787, 1788 Nachrichten von einigen russischen Mineralien. *Der Naturforscher*, Halle, Stück 22, 1787, p 167-82; Stück 23, 1788, p 56-101. Not seen; includes some gemstones.

SCHRÖTER, J S, see COLLINI, C, 1777

5877. SCHRÖTTER, ANTON, RITTER VON KRISTELLI(1802-1875) Ueber mehrere in den Braunkohlen- und Torflagern vorkommende harzige Substanzen und deren Verhältniss zu einigen Harzen noch lebender Pflanzen. *Pogg Annalen Physik*, 2 Reihe, 29, 59, 1843, p 37-76. Not seen. Fossil resins from brown coal and peat deposits and similarities to resins from living plants.

5878. SCHUBERT, KURT Mikroskopische Untersuchung pflanzlicher Einschlüsse des Bernsteins. I. (Ein Beitrag zur Anwendbarkeit der Lackfilmmethode Voigts). *Bernstein Forsch*, 4, 1939, 23-44, photo pls V-X. Microscopic investigations of vegetable inclusions in amber using Voigt's lacquer-film method to remove thin layers of inclusions for study in the usual oil-immersion method. Inclusions: pyrite(shown in figures on some plates), wood of an amber tree in cross-sections. short note on traces of insect activity. Total of 33 photomicrographs on tip-in pls, all vg to high quality; 43 refs.

5879. -----1953 Mikroskopische Untersuchung pflanzähnlicher Einschlüsse des Bernsteins. II. Rinden u. Borken. *Paleontographica*, Cassel, 93, 1953, 103-19. Not seen.

5880. -----1961 Neue Untersuchungen über Bau und Leben der Bernsteinkiefern [*Pinus succinifera* (Conw.)emend.] Ein Beitrag zur Pälaohistologie der Pflanzen. *Beihefte zum Geologischen Jb*, Hannover, 45, 1961, p 3-149, tab, 21 glossy pls(2 col), each pl, save the last, with letterpress on reverse. Pale tan print wrap. 24 x 17 cm(9 1/2 x 6 5/8 in). Cut. JSL. "Herausgegeben von der Bundesanstalt für Bodenforschung und den Geologischen Landesämtern der Bundesrepublik Deutschland." With abstracts in Ger, Engl, Fr, Span. 64 refs.

After researches over 20 years, Schubert definitely identifies the *Pinus succinifera*(Conw) emend. as the tree that produced the amber resin in the Baltic region. Describes researches in detail; photo plates of thin-sections showing wood structure which used to confirm identity. Present evidence, plus findings of others, is used to sketch a portrait of the Amber Forest and its life history, with conclusions as to why the trees produced resin abundantly at times and not at others. Schubert also believes that *Pinus succinifera* was not confined to the Baltic region but was flourishing as far as the Black Sea and was responsible for the resin that today is called the "rumanite" of Romania. A landmark in the study of amber origin.

5881. -----1964 Chemisch-physikalische Prozesse im Innern des baltischen Bernsteins. 1. Die inner Kruste. *Natur und Museum*, Frankfurt am Main, 94, 1964, 259-64. 2. Die "Sonnen"-Flinten-Beugungs- und Brechungserscheinungen des Lichts an kapillaren Spaltflächen des Steininnern. Ibid, 95, 1965, 261-70, 6 photos(4 col). Not seen.

Chemical/physical processes occurring in the inner crust of amber which sometimes appear like inclusions, esp those of marine origin, or cause tensions which are released in the form of brilliantly reflective discoidal fractures, or "Sonnen-Flinten," that is, "sun spangles."

5882. SCHUBNEL, HENRI-JEAN

"Que Sais-Je?" | Le Point Des Connaissances Actuelles | [double rule] N°592 [double rule] | Les Pierres | Précieuses | par | Henri Jean Schubnel | Directeur au Bulletin de l'Association francaise | de Gemmologie | [logo] | Presses Universitaires De France | 108, Boulevard Saint-Germain, Paris | [rule] | 1968

8°: 127, [1], 8 advert p; 50 fig(2 fullp sketch maps). Thick paper wrap, green & yellow on cover with black lett; list of other works on back 17.6 x 11.5 cm(7 x 4 1/2 in). Cut. JSL.

Cont: 1/2tp; other bk of author; tp; publ data; introd; 6 chs; biblio (p 125, 13 entries); index & synonyms; tab cont; advert.

See N & A Metta for a similar work superseded by this one, which, however, is not a mere rewrite but in fact a completely new book. Topics: symbolism, legends, and lore of gemstones, their history, gemstone deposits the science of which the author calls "gitologie," charts & data on prices, crystallography, composition, lapidary treatment, descriptive gemology(ch 5, the largest in the book), and in the last chapter, descriptions of ornamental rock materials, organic gems, synthetics & artificial gems. The treatment is considerably more thorough and more scientific than in the Metta edition it replaces. Outstanding photos.

5883. -----1969, 2nd edit Not seen: rev by P B Lapworth, *Austral Gemm*, 10, 11, 1970, 27.

5884. -----1968, Ital edit

Pietre Preziose | Gemme E Pietre Dure | a cura di | Henri-Jean Schubnel | Direttore tecnico dell'associazione francese di gemmologia | Direttore del Bollettino di gemmologia | [next 2 lines in rect panel:] | Documentari | 12 | Istituto Geografico De Agostini - Novara [Italy, 1968]

8°: 80 p; 180 col photos on 32 glossy bound-in f; 7 fig; 1 tab; the col f includ in pag. Tear-out postcard insert betw p [16]-17. plasticized ribbed paper over bds, col photo on cover with title & ser no in black in red panel; back cover white & turquoise, black lett. 29.9 x 22.7 cm (11 3/4 x 9 in). Cut. Lire 1,000. JSL.

Cont: tp; publ data & tab cont; introd; ackn; text; summ tab; blank p; col photos.

5885. -----1970, Ger edit

Edelsteine | Ein farbenfroher Überblick | über alle Edelsteine, | die Halbedelsteine | und andere | schmückende und farbige Steine | mit 180 Farbfotos | und Schemazeichnungen | [in box:] südwest | [logo] | farbig | [to right:] Südwest Verlag München [1970]

8°: 80 p; same ill; smooth plasticized paper over bds, title in black outline on cover with logo in rainbow bands & large col photo of cut & rough gemstones; back cover with logo, resume, large green panel. 30 x 22.5 cm(11 7/8 x 8 7/8 in). Cut. A second printing, 11-20th thousand, by 1970. JSL.

Cont: same, but p [16] now is no longer blank but contains a table of birthstones and an index.

5886. -----1971, Engl edit

Gems And | Jewels | Uncut Stones | And Objets D'Art | With An introduction by Henri-Jean Schubnel | Orbis Books | London [1971]

8°: 80 p; same ill; plain, dull-finish white paper over bds; gold spine title; large phot of engraved gem on cover, title in dull purple ; col photo back cover, black lett, other publ bks. 29.8 x 22.5 cm(11 3/4 x 8 7/8 in). Cut. £ 1.25. ISBN 085613 103 2. JSL.

Cont: same, but p [16] again black. The publishing data gives the original Italian copyright as "1967" when actually it was 1968. Rev *Austral Gemm*, 11, 6, 1972, 24.

5887. -----1972, New York

Gems And Jewels | Uncut Stones And Objets D'Art | With an introduction by Henri-Jean Schubnel | Crescent Books [New York: 1972]

8°: 64 p; 129 col photos on 24 glossy f bound-in & includ in pag; 7 fig; tab. Plasticized white paper over bds; 4 col photos on cover with black lett; other series bks back cover. 29.8 x 22.4 cm(11 3/4 x 8 3/4 in). Cut. LC 72-93846. JSL.

Cont: tp; publ data & tab cont; fwd; text; tab; blank p; col pls.

Text same; only 129 photos included; entire work recast with title and next page reset & revised.

5888. -----1972 Pierres précieuses dans le monde. Paris: Horizons de France, 1972. 190 p; b&w and col ill. Fr 68.00. Not seen: rev M O'Donoghue, *J Gemm* 13, 6, 1973, 235-6, "originally written as a thesis for the degree of Doctor of Science of the University of Paris." *G & G*, 14, 5, 1973, 151-2, "a number of facts contained herein cannot be found elsewhere." *Austral Gemm*, 11, 9, 1973, 22-3.

SCHUBNEL, H J, see LEGRAND, J; also SBORNIK NARODNIHO MUZEA

5889. SCHULDT, EWALD Der Bernstein im Neolithikum Mecklenburgs. *Jb der Bodendenkmalpflege in Mecklenburg*, Berlin, 1973, 1974, p 99-120. Not seen.

5890. SCHULKE, A A Artificial coloration of diamonds. *G & G*, 10, 8, 1961-62, 227-41, 4 fig, 22 ref. JSL. Important article on theory, radiations employed, apparatus, results.

SCHULTES, R E, see SELIGMAN, D H

SCHULTZ, ERNST CHRISTIAN(1740-1810)

Ger naturalist; b Königsberg; stud law, PhD; stud nat sciences & formed important collection; traveled to Sweden, Denmark, France, Holland, on collecting trips. Pogg 2, 860-1.

5891. -----1779 Beschreibung eines besondern Welt-Auges, welches in dem Cabinette eines Natur-Freundes zu Hamburg befindlich. An Herrn Ignaz Edlen von Born. Not seen: from Jonathan A Hill, New York City, Cat 36, 1987, no 185, which further notes 27 pp, large 4°, printed wrap, uncut, published in Hamburg by J P Reuss, 1779. "The attractive frontispiece [engraved plate, hand-colored], depicts four hydrophanes from Schultz' natural history cabinet."

5892. -----1780 Von Regenbogen-Achat, den der Verfasser dieses Briefes zuerst an die Pariser Akademie in einer ihrer ordentlichen Versammlungen des Jahres 1777 bekannt gemacht hat. Hamburg: J P C Reuss, 1780. Front hand-col engrav pl of the agate. Not seen; from *Hamburger Staats- und Universitäts Bibliothek, Naturforschung und Naturlehre im alten Hamburg*, 1928, Nr 323, s 56, This appears to be one of the earliest descriptions of certain agates, which when thinly sectioned and polished display spectral colors in transmitted light.

5893. SCHULTZE, HEINRICH

Praktisches Handbuch | der | Juwelierkunst | und | Edelsteinkunde. | [rule] | Oder gründlicher Unterricht, | alle Arten von Edelsteinen und Perlen genau kennen zu | lernen, ihren Werth aufs bestimmteste abzuschätzen, die | unechten und nachgemachten sogleich zu erkennen, so wie | die Edelsteine zu schneiden, zu schleifen, zu poliren, zu fas= | sen, ihnen vorzüglichen Glanz zu verschaffen und in jedem | Falle die entsprechendste Folie zu wählen. Nebst Preista= | bellen der Diamanten und Perlen, so wie einer Einleitung | zur Verfertigung der Glasflüsse. | Für | Juwelier, Gold= und Silberarbeiter, Liebhaber von Edelsteinen, | und alle diejenigen, welche mit Juwelen und Perlen Handel | treiben. | Von | Heinr.Schultze, | Herzögl. Anhalt=Bernburgischen Hof= Gold= und Silberarbeiter zu Bal= | lenstadt; Verfasser der Schrift: "Der Gold= und Silberarbeiter nach | allen seinen praktischen Verrichtungen." | [rule] | Mit 3 Tafeln Abbildungen. | [orn rule] | Quedlinburg und Leipzig. | Verlag von Gottfr.Basse. | [rule] | 1830.

8°: IV, 107, [1 advert]p; 3 litho pls tip-in at end. Blue-gray paper over bds. 18.8 x 11.4 cm(7 3/8 x 4 1/2 in). Uncut. USGS Kunz Coll, GS 34-476.

Cont: tp; tab cont; introd; text to p 83; prep of glass pastes; diamond price table; tab for computing diamond cutting costs; price tab for pearls; advert; pls.

As is evident, the title is virtually the table of contents; all of the information is tersely presented, and based on the practical experience of the jeweler-author. Most space is devoted to descriptions of gemstones but there is also a substantial portion on oriental pearls, and a description of preparing glass pastes for gem imitations. The tables of prices are extensive. A rare work.

5894. SCHULTZEN, CHRISTIAN FRIEDRICH [recte SCHULZE]

Nachricht | von den | bey Zöblitz und an andern Orten in Sachsen | befindlichen | Serpentinsteinarten, | abgefasst | von | Christian Friedrich Schultzen, | Med. Baccal. und Mitgliede der Leipziger ökonomischen Gesellschaft. | Nebst | einem Anhange

| vom Topf= oder Lavesteine | und den mancherley Vortheilen, | die man sich wahrscheinlicherweise davon zu versprechen hat. | [orn] | [double rule] | Dresden und Leipzig, | bey Johann Nicolaus Gerlach Wittwe und Sohn. 1771.

4°: 48 p; A-F⁴; ch orns. 18.2 x 16.7 cm(7 1/4 x 6 1/2 in). Cropped. USGS Kunz Coll, GS 34-234.

Cont: tp; dedic; text; append(signed by Christian Heinrich Eilenburg).

On the serpentines near Zöblitz and other places in Saxony used for ornamental purposes, which could be lathe-turned into small objects and containers. Treats properties, nomenclature, composition, outcrops and extents, history of discovery and working of deposits, previous writers on the subject, the quarries (29), varieties, the "Nierenstein" which may be a form of nephrite, asbestos, garnets, and other inclusions in the rocks, quarrying methods, dressing & finishing techniques, and chemical tests.

5895. SCHULZE, CHRISTIAN FRIEDRICH. IV. Versuche, welche mit einigen Edelgesteinen, sowol im Feuer, als auch vermittelst eines Tschirnhausischen Brennglasses angestellt worden. *Hamburg Mag*, 18, Stück 2, 1757, 164-80.

Fusion experiments on certain gemstones, including the diamond, ruby, and emerald, using the sun's rays, concentrated by an enormous mirror along the lines of those made by the celebrated German scientist, Ehrenfried Walter von Tschirnhaus (1651-1708).

SCHULZE, GOTTFRIED, see SCHENK, J T

5895A. SCHULZE, JOHANN HEINRICH(1687-1745), *praeses*

Dissertatio Inavgvralis Medica | [rule] | De | Adamante | [rule] | Qvam | Avspice Svmmo Nvmine | Ex Consensv Atqve Avctoritate | Gratiosae Facvltatis Medicae | In Alma Friderici-ana | Praeside | D. Ioanne Henrico Schvlze | Medicinae Eloqventiae Antiqvitatvm Et | Philosophiae Professore Pvblico | Ordinario | Academiae Caesareae Natvrae Cvriosorvm Et | Regiae Societatis Scientiarvm Bero- | Linensis Sodale | Pro Gradv Doctoris | Svmmisqve In Medicina Honoribvs Ac Privilegiis | More Maiorvm Rite Capessendits | Ad Diem V. Calend. Maii, M DCC XXXVII. | Placidae Ervditorvm Disqvisitioni Exhibet | Avctor Respondens | Ioannes Fabri, Pannonivs, | Artivm Ac Philosophiae Magister. | [double rule] | Halae Magdebvrgicae | Litteris Ioan. Christ. Hilligeri, Acad. Typogr.

4°: 30, [10]p; A-E⁴; woodcut init, ch orns. 19.7 x 15.7 cm(7 3/4 x 6 1/4 in). Cropped.

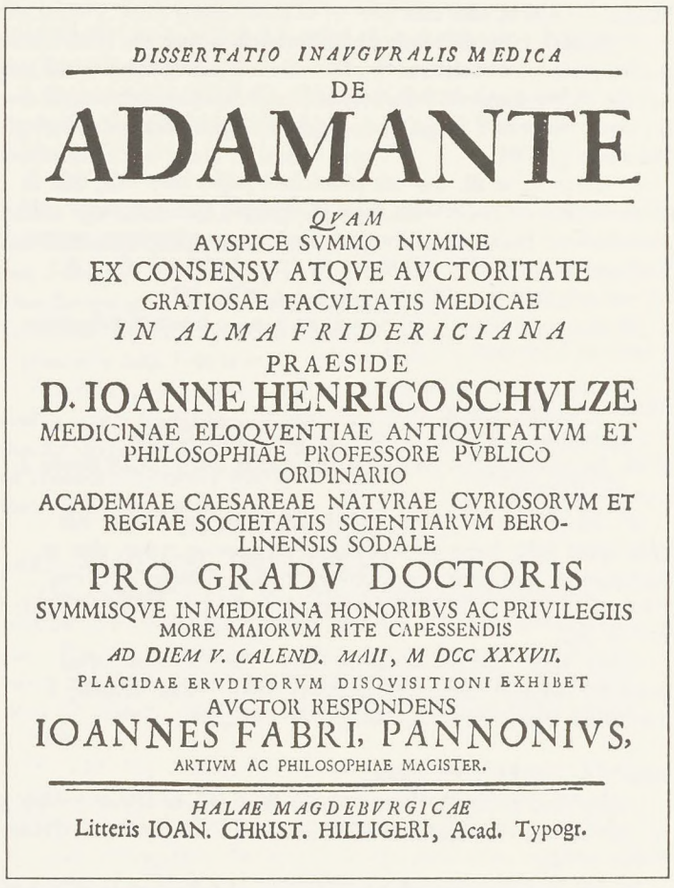
Cont: tp; pref; text; laud letters.

Doctorial dissertation on diamond: nomenclature, properties, sources (Bengal, Borneo), and with much on the supposed medicinal virtues with quotes from ancient authorities. The respondent, Johann Fabri, was from Hungary.

5896. SCHUMACH, MURRAY

Murray Schumach | The | Diamond | People | W.W.Norton & Company | New York · London [1981]

Cementb(folded sheets! in 16°): 255, [1 blank]p; 18 photos on unnumb f between p 128-41. Tan paper over bds, pale tan unfin cloth over spine; coppery spine title. Col dj, author portr on back; flap resume, vita, price. 20.8 x 14 cm(8 3/16 x 5 1/2 in). Cut. LC 80-14947; ISBN 0-393-01404-5. $12.95. JSL.



DISSERTATIO INAVGVRALIS MEDICA

DE

ADAMANTE

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EX CONSENSV ATQVE AVCTORITATE

GRATIOSAE FACVLTATIS MEDICAE

IN ALMA FRIDERICIANA

PRAESIDE

D. IOANNE HENRICO SCHVLZE

MEDICINAE ELOQVENTIAE ANTIQVITATVM ET PHILOSOPHIAE PROFESSORE PVBLICO ORDINARIO

ACADEMIAE CAESAREAE NATVRAE CVRIOSORVM ET REGIAE SOCIETATIS SCIENTIARVM BERO-LINENSIS SODALE

PRO GRADV DOCTORIS

SVMMISQVE IN MEDICINA HONORIBVS AC PRIVILEGIIS MORE MAIORVM RITE CAPESSENDIS

AD DIEM V. CALEND. MAII, M DCC XXXVII.

PLACIDAE ERVDITORVM DISQVISITIONI EXHIBET

AVCTOR RESPONDENS

IOANNES FABRI, PANNONIVS,

ARTIVM AC PHILOSOPHIAE MAGISTER.

HALAE MAGDEBVRGICAE

Litteris IOAN. CHRIST. HILLIGERI, Acad. Typogr.

5895A. Doctoral dissertation on the diamond and supposed medicinal properties of same

Cont: other bk of author; 1/2tp; tp; publ data; dedic; tab cont; text tp; 13 chs; blank p.

Schumach, for 40 years a reporter for *New York Times*, provides an entertaining yet realistic account of the diamond-trading microcosm that exists along one city block of 47th Street in Manhattan. Topics include remarks on the De Beers Syndicate, famous jewelers as Cartier, Tiffany, etc, and history of the Jews throughout the ages in respect to their confinement to certain occupations and trades, including jewelry and gemstones. The text is filled with anecdotes about persons, some tragic, but others amusing and always described compassionately. Rev R Limon: *JCK*, Aug 1981, 397-9; also, ibid, Jan 1983, 74-6, the latter by Joe Thompson being a larger, more perceptive, and more sympathetic review, see also rev *INDIAQUA*, no 30, 1981-3, p 139-40.

5897. SCHUMACHER, H A Ueber die columbischen Smaragden. *Zs Ges Erdkunde*, Berlin, 10, 1875, 38-62. JSL.

Carefully researched, detailed article on the Colombian emerald deposits, covering the entire span of exploitation from the earliest records of Spanish colonial times to the present. With comments on knowledge of emerald in antiquity, emerald elsewhere in the world, properties of emerald, but by far most of the text is a systematic chronology of mining with citations from pertinent literature and archival material, with much in passing

on inhabitants, local geography, working conditions, laws & decrees, mining methods, leases, pacts, etc. Despite the valuable material in this article it is rarely mentioned in later works dealing with the emerald and emerald deposits, possibly because it appeared in a geographical rather than a geological journal. From the historical viewpoint, it far exceeds in value any other article that purports to be authoritative in regard to the history of the Colombian deposits. J E Pogue, The emerald deposits of Muzo, Colombia, 1916, which see, "a detailed and valuable historical description of the Muzo mines, based on original sources."

5898. SCHUMANN, WALTER

BLV Bestimmungsbuch | Steine + Mineralien | Mineralien, Edelsteine, Gesteine, Erze | Von Prof.Dr.Walter Schumann | [bottom left:] Über 300 Farbfotos | von | Hermann Eisenbeiss | [to right:] [logo] BLV | München | Bern | Wien [München: BLV Verlagsgesellschaft mbH, 1972]

12°: 227, [1]p; 28 fig(includes 5 p of fossil drawings); 29 b&w photos; col diagr; 306 specimens ill in col on 69 p, Plasticized paper over bds, col photos & title on cover; spine title; advert & resume back cover, 19.4 x 12.6 cm(7 5/8 x 5 in). Cut. ISBN 3 405 10979 5. JSL.

Cont: 1/2tp; tp; publ data; tab cont; fwd; introd; text; advice to collectors; tables; biblio(p 212, 36 entries); index; identif advice; advert.

Simplified, terse, comprehensive work aimed at identification of rocks, minerals, gemstones, ores, and fossils, and depending heavily upon the uniformly excellent color photos of typical specimens. Gemstones treated p 46-67, with brief general remarks, followed by brief descriptions of gemstones keyed to 58 color photos on accompanying plates; includes coral, amber, pearl; brief remarks on gem cutting; ornamental rocks are treated in the rock section. Popular, widely-distributed and translated work.

5899. -----1973, Fr edit Pierres et minéraux... Neuchâtel-Paris: Delachaux & Niestlé, Éditeurs. Sec edit in 1976(JSL).

5900. -----1974, Engl edit Stones and minerals...Guildford & London: Lutterworth Press, 1974. Not seen.

5901. ----- Various edits & dates Sp: Rocas y minerales, Barcelona: Omega; Dutch: Elseviers Gids voor stenen & mineralen, Amsterdam: Elsevier; Norse: Cappelens steinbok, Oslo: Cappelens; Swed: Mineral och bergarter, Stockholm: Norstedt & Söners; Fin: Kivet ja mineraalit värikuvina, Helsinki: Otava; Dan: Sten, Copenhagen: GADS.

5902. -----1976

BLV Bestimmungsbuch | Edelsteine und | Schmucksteine | Alle Edel- und Schmucksteine der Welt | -insgesamt 1500 Einzelstücke- | in Farbfotos abgebildet und beschrieben | Prof.Dr.Walter Schumann | [logo] BLV Verlagsgesellschaft | München Bern Wien [1976]

8°: 255, [1]p; 115 col photos; 16 b&w photos; many fig(some as small marginal drawings, some part col). White plasticized paper over bds, col photo front cover with title; advert back cover. 19.5 x 12.5 cm(7 5/8 x 4 7/8 in). Cut. DM 28.- ISBN 3-405-11381-4. JSL.

Cont: 1/2tp; other bks in series; tp; publ data; tab cont; fwd & photo credits; introd; text; diamond prod stats; symbolic gemstones; biblio (p 233, 35 entries); ident tabs; index & photo credits; other bks of author.

An enormous amount of information compressed into a work of small physical size; emphasis on fact and very little on cultural aspects of gemstones. Introduction contains brief remarks on gemstone nomenclature and a table of accepted names both commercial & mineralogical. Following chapters take up crystallography, elements & table of same, properties, tables of hardness, specific gravity, streaks, refractive indices, dispersions, absorption spectra, pleochroisms, then origin of gemstones, occurrences, lapidary treatment, synthetics & imitations, and classification of gemstones. The main text describes gemstones in groups according to similarity of features, that is, the well-known gemstones, collector gemstones useful in jewelry, the rare gemstones or those that can scarcely be used in jewelry, rocktype or massive gemstones, and the organic materials, including pearl. In general, a fullpage illustration faces the entries and furnishes both rough & cut specimens as examples; all illustrations are high quality. The book closes with a large table which helps identify gemstones by color as the first entry, then refractive index and specific gravity. Rev *Der Aufschluss*, 27, 1976, 447-8.

5903. -----1977, Engl edit

Gemstones | of the World | Walter Schumann | Translated by Evelyne Stern FGA | [logo] Sterling Publishing Co. Inc, New York | NAG Press limited, London [1977]

8°: 256 p; same ill. Black, plasticized paper over bds; col photos on both covers with white lett; similar spine lett with pale blue orn. Similar dj, flaps with resume, line drawings. 19.3 x 12.3 cm(7 5/8 x 4 7/8 in). Cut. $12,95, LC 77-79503; ISBN 0-8069-3088-8(trade);... 3089-6(libr). JSL.

Parallels the German edition to p 232 but then followed by identification tables with the bibliography on p 250(39 entries with many changes), and followed by the index. There is no list of other books by the author. Rev F H Pough, *JCK*, 152, 4, 1981, 234, noting some errors.

5904. -----1977, London Same in every respect, but bound in dull grayish, greenish-yellow paper, grained texture, over bds, with gold lett & NAG logo on spine. Dj now white; single large photo on back. £ 8.95.

5905. -----1983, Sp edit

Walter Schumann | Guía de las | piedras preciosas | y ornamentales | Todas las gemas y piedras ornamentales | del mundo descritas e ilustradas | mediante fotografias en color | [logo] | Ediciones Omega, S,A. | Platón 26 - Barcelona-6 [1983]

8°: 255, [1 blank]p; 113 col photos(mostly fullp); 35 text fig; many small crystal drawings in margins; 2 p of part-col crystal drawings. White glossy paper over bds; col photos of gems on front with title; spine title; back cover resume. 19.4 x 12.4 cm(7 5/8 x 4 7/8 in). Cut. ISBN 84-282-0484-5.

Cont: 1/2tp; tp; publ data; tab cont; pref & photo credits; introd; text; biblio(p 233, 37 entries); indent tabs; index & photo credits; blank p.

5906. -----1976

Deutsches Edelsteinmuseum | [white bar] | in der Diamant- und Edelsteinbörse Idar-Oberstein [Cover title; back cover publ data; publ by the museum, 1976]

Centerstapled: 15, [1]p(includes covers); 19 col photos; col photos on both covers; floor plan; 2 fig. 21 x 14.7 cm(8 1/4 x 5 3/4 in). Cut.

Brief history of the development of local lapidary industry, then descriptions of the cases of cut & rough gemstones in the museum, and exhibits of cutting, synthetics, etc.

5907. SCHUPP, KURT

Handbuch | für Juweliere | von | Kurt Schupp | Rio de Janeiro | Unter Mitwirkung von Prof.Dr.K.Schlossmacher, | Leiter des Instituts für Edelsteinforschung, Idar-Oberstein | [double rule] | Druck: Ernst Kessler, Idar-Oberstein 2 | 1954

Edgestapled: [7], [1 blank], [1], [1 blank], 79, [1 blank], [1], [1 blank], 19, [1 blank], [1], [1 blank], 61, [3 blank]p; includes 3 part-title leaves on pale green wrinkle-grain paper. Pale green, wrinkle paper wrap, brown title on cover & spine. 23.2 x 15.7 cm(9 1/8 x 6 1/4 in). Cut. JSL.

Cont: tp; fwd; introd; tab cont; 3 text tps & texts; 3 blank p.

The first part is a dictionary of gemological terms of organic, imitation, synthetic & natural gemstones; second part lists gemstone names in German with corresponding names in Portuguese, English, French, Spanish, & Italian; third part is entitled "practical advice and answers," and deals with many questions but actually is a short encyclopedia on all aspects of gemology and jewelry.

5908. SCHÜTT, EBERHARD

Eberhard Schütt | Umgang | mit edlen | Steinen | Der Edelstein richtig behandelt | Edelsteine vor Schäden bewahrt | Rühle-Diebener-Verlag Stuttgart [1983; underlines sic]

8°: 271, [1 blank]p; 96 col photos on 8 glossy bound-in f(betw p 48-9). Glossy black paper over bds; col photo, white title on cover; white spine title. 21 x 14.9 cm(8 1/4 x 5 7/8 in). Cut. DM 87.60. JSL.

Cont: 1/2tp; tp; publ data; tab cont; index to gemstone names; introd; general part; specific gemstones; blank p.

The first book to devote itself exclusively to the proper handling and protection against damage to all gemstones, taking into consideration the properties of same that if ignored could lead to damage during handling, setting into jewelry, during cleaning, etc. The first part discusses gem cutting, how jewelry is made, setting gems, plating, cleaning, hot baths, ultrasonic cleaning, etc, while the second part briefly describes several hundred gemstones, ornamental stones, plastics, synthetics, organics, and other gem materials, which at one time or another have been used in jewelry. Gemstone rarities, eg amblygonite, cerussite, and others, are included, and the list finishes with willemite! The photos are of considerable interest because they show examples of damage. Unfortunately, there are no references whatsoever. Rev M O'Donoghue, *J Gemm*, 13, 7, 1983, 664.

5909. SCHWABE, KURD[sic]

Im deutschen | Diamantenlande | Deutsch=Südwestafrika | von der Errichtung der deutschen Herrschaft bis zur Gegenwart | (1884-1910) | Von | Kurd Schwabe | Major a.D. | [logo] | Mit zahlreichen Abbildungen und Skizzen und einer Karte in Steindruck | [orn rule] | Berlin | Ernst Siegfried Mittler und Sohn | Königliche Hofbuchhandlung | Kochstrasse 68-71 [1909]

8°: XII, 443, [3 advert]p; col fold map of German SWA tip-in at end of advert; many text & fullp photos. Tan cloth, ornate brownish-red scrolled lett in horizontal bands on front cover; clab decorated spine; bevel bds. Brown endp. 24.9 x 17.4 cm(9 3/4 x 6 7/8 in). Cut. Te stained brown. Marker ribbon. Glossy paper. JSL. P J Hugo et al, 2855.

Cont: 1/2tp; tp; publ data; dedic; fwd; tab cont; 19 chs; index; advert; fold map.

Mistitled work inasmuch as the only mention of diamonds and diamond mining occurs on p 414-8, practically all the rest being on the military campaigns by the Germans in wresting control of South West Africa from native tribes. However, considerable local color and incidental descriptions of the land and its economy appear in the text, and one may form a fair picture of the country under German occupation with a little rooting through the text. *Bibliogr SWA/Namibian Earth Sci* 2855.

5910. SCHWAHN, CHRISTIAN Die praktische Edelsteinkunde, 1948. Not seen: rev by K Chudoba, *Achat*, 2, 7/8, 1949, 324-5.

5911. -----1949, 2nd edit

Kleine Fachbücherei des Gold- und Silberschmieds | Herausgegeben von Christian Schwahn | [double rule] | Band 4 | Christian Schwahn | Die praktische Edelsteinkunde | Mit zahlreichen Erfahrungen, Ratschlägen und Winken | zur Beurteilung von Edelsteinen, für deren Bearbeitung und Handel | Zweite Auflage | [logo] | 1949 | [rule] | Carl Marhold Verlagsbuchhandlung, Halle(Saale)

Edgestapled: 82, [2 advert]p; 2 col pls; diagr cutting styles, 5 text figs. White paper wrap, red & black title on cover; advert back cover; black spine title. 20.4 x 14.3 cm(8 x 5 5/8 in), Cut. Cheap, yellowing paper; wrap overlaps text, JSL.

Cont: tp; publ data; Introd; fwd; tab cont; text; gloss; index; advert.

Brief, factual treatise aimed at persons in the jewelry trades but also of interest to the general public. Information based on practical experience, with valuable advice & tips. First part treats basic gemology, describes major and some minor or rare gemstones, also pearls, coral, amber. Second part practical: identification of gemstones, distinguishing synthetics, resistance of gemstones to heat, acids, etchants, hot baths; pricing of gems & pearls, gem cutting, restoring color in pearls and turquoise, gem settings, doublets, buying gems, misleading names, extensive glossary of terms used in the diamond trade. Simply written, eminently practical, and much esteemed; passed into many printings.

5912. -----19-?, 3rd edit 88 p, 2 col pls, 7 photos. DM 3.75. Not seen.

5913. -----1955, 4th edit

...| Christian Schwahn |...| Vierte, überarbeitete und erweiterte Auflage | Mit 2 farbigen Steintafeln und 5 Bildern | [logo] | 1955 | [rule] | Carl Marhold Verlagsbuchhandlung, Berlin-Charlottenburg 9

8°: 90, [2 advert]p; 2 glossy tip-in col pls; 5 fig. Pale tan wrap, orange & black title on cover. 20.9 x 14.9 cm(8 1/4 x 5 7/8 in). JSL.

Cont: tp; print data; tab cont; fwd; introd; text; gloss; tabs of lore; index; advert.

5914. -----19-?, 5th edit Not seen. A note in the 6th edit indicates that this was an unaltered re-issue of the 4th edit.

5915. -----1963, 6th edit

...| Christian Schwahn |...| Sechste Auflage | Mit 2 farbigen Steintafeln und 5 Bildern | 11.-13.Tausend | [logo] | 1963 | [rule] | Carl Marhold Verlagsbuchhandlung, Berlin-Charlottenburg

Edgestapled: 90, [1 advert], [1 blank]p; same ill, Purple gem design on cover with purple lett. 20.7 x 14.7 cm(8 1/4 x 5 7/8 in). Cut. JSL.

Essentially identical to foregoing.

5916. -----1966, 7th edit

...| Christian Schwahn |...| Siebente Auflage |...| 14.-16.Tausend | [logo] | 1966 |...

Edgestapled; same pag & ill. white, glossy print wrap. Same p size. JSL. Identical.

5917. SCHWAHN, CHRISTIAN & PROKOPOWICZ, OTTO Under these names appeared in 1955 a work entitled *Edelsteinkunde*, written by the second author, which see, and supposedly based on Schwahn's *Praktische Edelsteinkunde*, to which, however, it bears little resemblance.

5918. SCHWALK, K

Manual | Del | Diamantista Y Del Platero | [orn rule] | Tratado De Las Piedras Preciosas, | Finas É Imitadas, De Los Metales, Su Aleacion, | Esmalte, Soldadura & Demás Procedimientos | Relativos Á Estas Artes. | [rule] | Tomado de los majores autores que han escrito sobre la materia. | [rule] | Adornado con láminas que representan las piedras preciosas al natural. | Por | K.Schwalk. | [rule] | Barcelona: Manuel Saurí, Editor. | 1872.

8°: 199, [1 blank]p; front litho pl + 2 fold litho pls tip-in at end. Pale green wrap, title in orn frame on cover; spine title. 16.8 x 12.2 cm (6 5/8 x 4 3/4 in). Uncut. USGS Kunz Coll, GS 34-390.

Cont: 1/2tp; front; tp; publ data; introd; text; tab cont; blank p; pls.

5919. -----1872, Madrid edit Manual...Madrid 1872. Lib. de la Sra. V. de Cuesta é hijos. En 8°, VIII, 200 p, 3 pls. "Forma parte de la Colec. *de Manuales de cienc. y artes* del editor Cuesta. Las láminas que ilustran este *Manual* son idénticas á las de la obra de D.Tomás Fradera(num.891), cuyo texto, aunque aumentado en algunos puntos, esta aquí casi literalmente reproducido." This from Maffei & Figueroa, 2, no 4833, and apparently identical to the Barcelona edition. See description of 2nd edit below which differs but little in the main parts of text; the frontispiece plate depicts outlines and facet junctions of famous diamonds, crudely drawn and inaccurate, save for the Regent which is a fair representation. Note change in authors.

5920. SCHWALK, K & DIEULAFAIT, L Manual Completo del Diamantista... Obra adornada con profusion de grabados. Barcelona, 1880, demy 8vo. Qr. green calf, gilt spine. Illustrated... 280 p. Not seen; from a bookseller's catalog of 1972.

5921. -----1900, 2nd edit

K.Schwalk Y L.Dieulafait | [double rule] | Manual Completo | del Diamantista | Y Del | Platero | [double rule] | Piedras Preciosas, Esmalte, Bisuteria, | Metales, Piedras Finas É Imitadas, | Su Aleación, Soldadura Y Demás Procedimientos | Relativos Á Estas Artes | [double rule] | Obra Adornada Con 80 Grabados | [double rule] | [rule] | Nueva Edicion Muy Aumentada | [rule] | Barcelona | Manuel Sauri, Editor | Plaza Nueva, 5 y principales Librerias | 1900

8°: 281, [1 blank], IV, [2 advert]p; initial pp numbered Roman(to p VII); 80 woodcuts(Fig 1 is front). 19.9 x 13.6 cm(7 7/8 x 5 3/8 in). Cut. Paper uniformly browned, embrittled. JSL.

Cont: 1/2tp; front; tp; publ data; introd; text in 2 parts; "curiosities;" blank p; tab cont; cat of publ bks.

An elementary treatise on gemology and jewelry-making, the first part on gemology being essentially a translation of Dieulafait's *Diamants et pierres precieuses*, which see. The second part consists of simplified instructions and advice upon the various arts of the jeweler: alloying precious metals, plating, enameling, soldering, cleansing, etc. The illustrations are poorly reproduced and borrowed in part from Dieulafait's book. The last "curiosities" part, very brief, is no more than a few remarks on the diamond industry of South Africa and obviously is a space filler. Not a valuable work; the parts on jewelry being far too brief to be useful. Not in Maffei & Figueroa.

5922. SCHWALM, JURGEN Von der Heilkraft der Edelsteine: Die Lithotherapie an der Wende zum 17.Jahrhundert in Zitaten von Bacci und Gabelchover. *Der Aufschluss*, 26, 1975, 355-67, 2 ill; 58 notes. Healing virtues of gemstones as given by Bacci and Gabelchover, which see. Stones treated: sard, topaz, emerald, carbuncle, sapphire, jasper, agate, amethyst, chrysolite, beryl rock crystal, onyx, diamond, pearl, moonstone, heliotrope, and others.

5922A. SCHWARTZ, FRANCES M & SCHWARTZ, JAMES H Engraved gems in the collection of the American Numismatic Society: 1. Ancient magical amulets. Pls 34-40, *The Amer Num Soc Mus Notes* 24, 1979, p 149-97, small text inscriptions. Sep bound in white printed wrap, cover title, cementb, with Pls 34-40 each on own leaf, printed r only. 22.2 x 14.5 cm(8 3/4 x 5 3/4 in).

The society "possesses 529 ancient engraved gems; it is our intention to publish them in a series of articles. The largest part... 303 gems, was deposited... shortly after the death of Samuel Duffield Osborne in 1917... In 1912 he published *Engraved Gems* [which see]." Other remarks on previous writers on the subject and catalogs, then descriptions of gems in the present catalog, according to subjects, and the plates(61 photos).

5923. SCHWEBEL, NICOLAUS Etrurische Alterthümer, von dem Hochgelehrten Herrn Antonio Francisco Gorio... in einem Auszug gebracht, mit Kupfern versehen, und als ein Supplement zu dem Montfauconischen Werk ausgefertigt durch

M. Nicolaus Schwebel... [1770). Publ in Nürnberg. Not seen; from P & H Zazoff, *Gemmensammler*, 1983, 174-5.

5924. SCHWED, PETER

God Bless | Pawnbrokers | [orn] | Peter Schwed | [orns] | Dodd, Mead & Company | New York [1975]

16°: [2 blank], 217, [5 blank]p; 3 fig, 2 graphs. Brownish-yellow cloth, red spine title; red endp. White dj, col title, b&w photo on cover; black & red spine title; reviews back cover; flap resume, author vita. 20.9 x 14 cm(8 1/4 x 5 1/2 in). Cut. Te stained red. LC 75-222252; ISBN 0-396-07222-4. $7.95. JSL.

Cont: blank f; 1/2tp; tp; publ data; dedic; ackn; poem; tab cont; prologue; 10 chs; 5 blank p.

Schwed, born in New York City, educated at Lawrence School and Princeton, and at the time of writing, publisher for Simon and Schuster, which he joined in 1945 after service in World War II, spent almost ten years employed by the Provident Loan Society of New York. He recounts fascinating anecdotes from this period, among which are many on making loans against diamonds and precious stones as securities. All of the text is worthy of reading but the gemologist will be particularly interested in the material commencing with page 83 and continuing into the next chapter(5), entitled "How to become a diamond expert," p 92-118, and also Ch 6, "All is not diamond that glitters," 119-46. In these sections Schwed discusses how he learned to become an expert appraiser of diamonds and the system used in the Society to provide fair loans at acceptable risk. The lore surrounding the Hope diamond is augmented in Ch 3, 56-76, by an anecdote concerning Evalyn Walsh MacLean's borrowing money against the Hope and the Star of the East diamonds.

SCHWEIKART, JOHANN ADAM (1722-1787)

Publ & engraver of Nürnberg, Ger; he attempted to re-issue the Winckelmann edition of Stosch gems(see WINCKELMANN).

5925. -----1775

Description | Des | Pierres Gravées | Du Feu | Baron De Stosch: | Par Feu | M.L'Abbé Winckelmann. | [rule] | Dessinées D'Après Les Empreintes | Et | Gravées En Taille-Douce | Par | Jean Adam Schweikart. | [woodcut orn] | [orn rule] | à Nuremberg, | Chez Jean Adam Schweikart, Graveur. | MDCCLXXV.

Not seen, above from titlepage photo in *Gemmensammler*, by Zazoffs, p 182. See J J Winckelmann for the details on the confusing history of this work which attempted to depict again the principal engraved gems of the Stosch collection. According to Zazoffs, the work was begun only with plates that included the first 36 Egyptian specimens but illness of the engraver, Schweikart, forced cessation of work. The Nürnberg art dealer, Johann Frauenholz, assumed the work with a further series of drawings for copper plates, engaging for this task Professor Casanova(1730-1795), and an artist by the name of Schrazenstaller, with the text by Schlichtegroll in the 1798-1805 edition.

SCHWEIGGER, AUGUST FRIEDRICH(1738-1821)

Ger botanist; Md, Erlangen U 1804; prof at same but then turned to study of zoology & botany, and studied nat hist in Paris; to Königsberg 1809 as prof botany; traveled to Sicily, met his death nr Girgenti. *Allg Dt Biogr*, 33, 332-3.

5926. -----1819

Beobachtungen | Auf | Naturhistorischen Reisen | Von | August Friedrich Schweigger. | Der Medicin, Chirurgie Und Philosophie Doctor, Der Medicin Und Botanik Ordentlichen | Professor Auf Der Universität Zu Königsberg, Director Des Botanischen Gartens, Der |...[6 lines of honors, etc]...| [taper rule] | Anatomisch-Physiologische | Untersuchungen Über Corallen; | Nebst Einem Anhange, | Bemerkungen Über Den Bernstein | Enthaltend. | [rule] | Mit Zwölf Tabellen Und Acht Kupfertafeln. | [taper rule] | Berlin 1819, | Gedruckt Und Verlegt Bei Georg Reimer

4°: vi, [6], 127, [1]p; 8 engrav pls(IV & VIII hand-col in part); 12 fold tab(all doublep except XII which unfolds to ca 42 x 50.5 cm). The engrav pls appear to be printed on very thin machine-made paper but the text paper and that used for the folding tables is coarse-texture, hand-laid, containing small dark fibers. 26 x 21.5 cm(10 1/4 x 8 1/2 in). Unopened, pls loose, unsewn(as issued). JSL; Dewalque 3214; Agassiz IV, 298.

Cont: tp; fwd; tab cont; pl explan; 5 sects; errata; pls. In my copy, the pls explanations inserted as shown but they are listed in tab contents as section 5, and to be bound-in at p [128].

The first two sections concern corals, the third section contains the remarks on amber, the next section is plate explanations, and the last section consists of the folding tables providing a classification of zoophytes according to the latest schemes of Lamarck and Lamouroux. The amber section, 101-27, contains a very important statement of Schweigger's views on the origin of amber, its nature, and whether or not it was a tree resin, and if so, what tree yielded it. Other topics in this section are identification or correlation of organic remains with living organisms, original mode of deposition of the amber, its transport to present sites, and its chemical composition. Pl VIII depicts insects in amber, some in color, and noting that the original specimens are preserved in the Berlin Museum. Despite the considerable value of Schweigger's observations on amber and its inclusions, it has been virtually ignored by later writers.

5927. SCHWEITZER, CHARLES G

Songs of the | Rockhounds | By Charles G.Schweitzer [nd, ca 1952; priv publ, Temple City, CA; title on cover only]

Centerstapled: [4 blank], [34], [2 blank]p. Pale blue wrap.21.3 x 18.3 cm(8 3/8 x 6 3/8 in). Cut. JSL.

Poetry based on collecting activities in the deserts of Southwestern United States.

5928. SCHWITZER, H Über Perlmutter. *Abhandl u Berichte d Ver f Naturk zu Cassel*, 55, 1919, 189-217. Not seen.

SCOT, M, see ALBERTUS MAGNUS, 1643, 1669

5929. SCOTT, ARTHUR & ATKINSON, LEWIS

A | Short History | Of | Diamond Cutting. | By | Arthur Scott, F.R.G.S., | And | Lewis Atkinson. | With A Preface By | Edwin W.Streeter, Esq., F.R.G.S., &c., &c. | London: | Hamilton Adams And Co., | 32 Paternoster Row. [nd, post 1887]

8° : 39, [1 blank]p. Pale green paper over thin bds; title in frame on cover. 15 x 10.2 cm(6 x 4 in). Flush cut with text. Price sixpence. USGS Kunz Coll, JSL.

Cont: 1/2tp; tp; print data; pref; text; append; blank p.

Succinct summary of all that was known about diamond in antiquity and the methods developed to cut it into faceted gems. Topics: making diamond dust, cleaving, cutting & polishing methods as used in modern times, diamond industries of London and Amsterdam, and in the appendix, several letters concerning modern cutting. Fragile binding, making this a poor "survivor" with result that it is very scarce.

5930. SCOTT, D C; WILDY, R I & HARRIS, R J Nephrite jade deposits near Cowell. *S Austral Dept Mines & Energy Rpt* 2, 1978, 30 p, 3 maps. AUS $15.50. Not seen; rev in *Austral Gemm*, 14, 3, 1980, 52. Occurs as bands along east margin of Cleve Uplands, 20 km N of town of Cowell; much olive-green material found but best is the very fine-grained, dead black nephrite that takes a superb polish.

SCUDALUPIS, PETRUS ARLENSIS DE, see PETRUS ARLENSIS DE SCUDALUPIS

SCULLY, WILLIAM CHARLES (1855-)

B Dublin; with parents to South Africa in 1867; at Old De Beers mine in 1871, lived with Rhodes brothers; "a true pioneer in diamond and gold mining. In later years he became a leading Magistrate. He was a great writer and his books are greatly prized today,"(A F Williams, *Some dreams come true*, 1948, 208).

5931. -----1913

Reminiscences | Of A | South African Pioneer | Ist Series - "Wanderjahre") | By | William Charles Scully | Author Of | "By Veldt And Kopje," "Kafir Stories," "The Ridge Of The White Waters," | "Between Sun And Land," Etc., Etc. | With 16 Illustrations | T.Fisher Unwin | London: Adelphi Terrace | Leipsic; Inselstrasse 20 [1913; title in red & black]

8°: 319, [1]p (first f blank); glossy portr photo front tip-in with tissue; 15 other glossy photo pls tip-in. Dull purple cloth, gold title on cover, blind-ruled frames both covers, gold lett & rules on spine. 22.3 x 14.5 cm(8 3/4 x 5 5/8 in). Teg, others untrimmed. 10s 6d. JSL.

Cont: blank f; 1/2tp; front; tp; publ data; quot; dedic; fwd; tab cont; ill list; 12 chs; "l'envoi;" index.

Fwd: "The reminiscences... have been published serially in *The State Of South Africa*, in a more or less abridged form, under the title of "Unconventional Reminiscences." They are mainly autobiographical." Thus the author describes his life & career from early childhood to when he became a civil servant after youthful adventuring in South Africa. Appearing early upon the scene when the diamond industry was developing, he provides valuable, first-hand information on the industry and personnel in chapters 4 & 5, 82-142, in which he describes his experiences at Kimberley when the pipe mines were first being recognized as such. A follow-up work entitled *Further Reminiscences* was published the same year in uniform binding but contains no useful information on diamonds or the industry.

SEAL, MICHAEL (1930-)

Brit physicist; BA Cambridge U 1952, MA 1956, PhD 1957; head diamond res Engelhard Industries 1959-67; dir res Amsterdam Diamond Test & Develop Ctr 1967-.

5932. -----1958 The abrasion of diamond. *Proc Roy Soc*, London 248A, 1958, 379-93. Not seen; *Min Abstr*, 14, 5, 1960, 337. Quantifies rates according to crystallographic direction.

5933. -----1961(?)

Comments On Some Early Attempts | To Synthesize Diamond - The | Experiments Of Hannay And Moissan | by | Michael Seal | Engelhard Hanovia Incorporated | 497 Delancy Street | Newark 5, New Jersey [nd, post 1961]

Loose f in 3-ring binder: [1], 16 f(lett rectos only) + 19 actual photo prints mounted on 11 stiff paper f + Fig 20, a diagram + figs 21-30 (mounted 5 f). Blue paper wrap, "Engelhard Hanovia" in white on cover, with window over title. 28.2 x 21.6 cm(11 x 8 1/2 in). Priv issue. JSL,

Careful study of Hannay"s attempts to synthesize diamond, the literary references to same, analysis of arguments advanced on Hannay's results, and if the specimens preserved in the British Museum (Nat Hist) are really synthetic diamonds. Seal states that "from consideration of all the above evidence, I would favor the view that the "Hannay diamonds" are genuine synthetic diamonds and were made by Hannay." On the other hand, Moissan fared less well from Seal, for he reviews attempts of others to repeat Moissan's experiment without success, and reports his own attempt, noting that all he could obtain were crystals of silicon carbide and alumina. Concludes that Hannay did make diamonds but Moissan did not.

5934. -----1965 Structure in diamonds as revealed by etching. *Amer Min*, 50, 1/2, 1965, 105-23, 23 fig. JSL. Etched polished plates with fused potassium nitrate; notes figures so produced. This article followed by A R Patel & M K Agarwal's contribution on microstructores noted on Panna, India diamonds, 124-31, 14 fig(photos).

SEAL, M, see GREENE, P

5935. SEALE, ALVIN The fisheries resources of the Philippine Islands. Pt 3, pearls and pearl fisheries. *Phil J Sci*, Manila, 5, 2, 1910, 87-102. Not seen.

5936. -----1916 Sea products of Mindanao and Sulu. 2.Pearls, pearl shells and button shells. Ibid, 11, p 245-65. Not seen.

5937. SEAMAN, DAVID M The history and collections of the Department of Mineralogy, the American Museum of Natural History, New York City. *R & M*, 40, 3, 1965, 165-7, 179; 5, 325-9; 6, 411-4, JSL. Much on G F Kunz & gemstones.

5938. SEATTLE ART MUSEUM Chinese snuff bottles in the Seattle Art Museum. [Seattle: Seattle Art Museum, 1970]. [7], 64 p; ill; col pls. 18 cm, Spiral binding. Ivory snuff bottle on cover. $2.50. Not seen; from G M Born, 128.

5939. -----1972 Chinese jades in the Seattle Art Museum. [Seattle: Seattle Art Museum], 1971. "Seattle Art Museum Engagement Book, 1972." Unpaged: [74]p, ill, 2 col pls. Heavy paper, brown spiral binding, detachable date leaves. Not seen; from G M Born, 127. "Most of the items are from the Eugene Fuller Memorial Collection."

5940. SECOND INTERNATIONAL SYMPOSIUM ON TEKTITES *Geochimica et Cosmochimica Acta*, 28, 6, 1964, 753-1017, num pls, maps, sketches, photos, tabs, etc. 24.8 x 18.7 cm(9 3/4 x 7 3/8 in). Cut. JSL. Introd by John A S Adams, executive edit. Contains 22 articles; of special interest to

gemologists are BOUŠKA, VLADIMÍR & POVONDRA, PAVEL, "Correlation of some physical and chemical properties of moldavites," 783-91, 6 fig, 7 tab, 51 ref; KING, ELBERT A, Jr, "New data on Georgia tektites," 915-9, fig, tab; BOUŠKA, V, "Geology and stratigraphy of moldavite occurrences," 921-30, fold map localities, 46 refs(esp valuable for specific site information).

SEDERHOLM, JAKOB JOHANNES(1863-1934)

Finn geol; stud geol Helsinki U; apptd geol survey 1888, dir in 1893, ret 1933. Obit L J Spencer, *Min Mag*, 24, 153, 1936, 301-2.

5941. -----1928 On orbicular granites: spotted and nodular granites etc. And on the Rapakivi texture. *Suomen Geologinen Toimikunta*, or *Geologiska Kommissionen I Finland*, or *Bull Comm Géol Finlande* No 83, 1928, 8°: 105, [1 blank]p + Pls I-XVI on 8 f bound-in + [4 advert]p; 19 text fig, 8 tab. Pale brownish-orange wrap, cover title. 24,7 x 16.2 cm(9 3/4 x 6 3/8 inl. Cut. JSL.

Structure, composition, and probable origin of the handsome orbicular granites of Finland with much on theories previously advanced to account for such curious concretions, and with the author's theory. Attention also given to spotted or nodular granites in general, and the rapakivi texture. Large biblio 98 entries, p 98-102. Photos of typical specimens, weathering features, thin-sections. GS 28-461.

5942. SEEBACH, M Chemische und mineralogische Studien am Granat. *Inaug-Diss Erlangung Doktorwürde Heidelberg U*, 1906, 64 p, 2 photo pls, 2 text fig. Describes melanite, demantoid, pyrope, almandine, andradite, grossular. Copy in BM(NH) Libr.

5943. -----1926 Über Ätz- und Lösungserscheinungen am Korund. *N Jb Min*, B-Bd 54, Abt A, 1926, 420-43. JSL.

SEEMAN, H, see THILO, E, et al

5944. SEGNIT, E R Australian gemstone deposits. *Zs Dt Gemm Ges,* 33, 3/4, 1984, 114-25, 2 ref. JSL.

5945. SEIDL, KURT Der Bernsteinbergbau im Samlande. *Festchrift zum 12.Allgemeine Dt Bergmannstage Breslau*, 4, 1913, 319-65. Not seen: G R v Bock, 180.

5946. SEIDLER, A Die Verbreitung der echten Flussperlmuschel (*Margaritana margaritifera* L.) im fränkischen und hessischen Buntsandsteingebiete. *Berichte Wetterauisch Ges Naturkunde*, Hanau, 1922, 83-125. Not seen.

5947. SEIDLER, NED

Gems And Jewels | Written And Illustrated | By Ned Seidler | The Odyssey Press · New York [1964; col engrav gem at title head]

Oblong 8°: 44, [4]p; end f of each terminal section used as pastedown but includ in pag; ca 33 col ill in text, not counting endp. Pale blue glossy paper over bds; col ill on cover with black title; black spine title; back cover resume, vita, etc. Front endp col ill; back endp col ill with calendar & black lett. 10 x 16.5 cm(4 x 6 1/2 in). Cut. $.95. LC 64-12883.

Cont: endp; publ data; tp; text; index; col ill & calendar; endp.

Handsome popular booklet on gemstones and gems, remarkable mainly for its lavish use of excellent drawings made by the author; very brief text which does little more than explain the illustrations.

5948. -----1964, London edit

Gems And Jewellery |...| Paul Hamlyn · London [1964]

Nearly identical; front matter change; dollars to pounds, British spellings, hardness values in boldface now included in text.

5949. -----1965, Copenhagen edit Juveler og aedle stene. København, 1965, 45 p, ill. Not seen.

SEIDENAGEL, K, see ORPHEUS, 1876

5950. SELIGMAN, DOROTHY HALLE

Sweat | Of The Sun | Tears Of | The Moon: | [vertical rule; on same levels as foregoing:] Gold And | Emerald | Treasures Of | Colombia | [below:] The Natural History Museum of Los Angeles County | July 4 - September 6, 1981 | Essays by: |...[7 authors, 2 columns]... | [rule] | [author of introd; pls captions author; col photographers]

Cementb: 96 p; 51 col photos; 31 b&w photos; 5 line drawings; 2 maps. Heavy print wrap, col photo gold mask on front with title; spine title; col photo of Patricia emerald back cover. Gold orn pattern endp. 28 x 21.5 cm (11 x 8 1/2 in). Cut. LC 81-11000; ISBN 0-9606514-0-3. JSL.

Cont: 1/2tp; print data; tp; publ data & credits; tab cont; pref; ackn; introd; 5 articles; col pls.

Elaborate, beautifully-produced booklet to guide and instruct viewers of the exhibition by means of authoritative articles on the history of the principal native civilizations of Colombia and artistic achievements by William B Lee & Kenneth Ruddle; the curious lore surrounding the use of gold and crystal ornaments, G Reichel-Dolmatoff; Colombian emeralds and the history of their discovery & mining, Peter C Keller; ancient gold effigies, Richard Evans Schultes & Alec Bright; and technology of Pre-Colombian gold working, Peter T Furst. Excellent illustrations, including notably one of the famous Patricia emerald crystal found in Chivor and the large carved emerald plaque of Mogul workmanship owned by Allan Caplan of New York.

5951. SELIGMANN, SIEGFRIED(1870-) Der böse Blick und Verwandtes. Berlin: Barzdorf, 2 vols, 1910. Not seen, from Villiers, *Amulette und Talismane* (which see), "an indispensible source for the history of the talismans, amulets and fetishes;" presumably includes gemstones.

5952. -----1927

Die magischen | Heil- und Schutzmittel | aus der unbelebten Natur | mit besonderer Berücksichtigung | der Mittel gegen der bösen Blick | Eine Geschichte des Amulettwesens | Von | Dr.S.Seligmann | Mit zahlreichen Abbildungen | [rule] | Strecker und Schröder, Verlagsbuchhandlung | in Stuttgart 1927

8°: XI, [1], 309, [1 blank], [2 advert]p; 111 fig(about half are text line drawings; remainder either line or photos on 28

tip-in f). Black buckram, gilt title on cover & spine. Te stained yellow. 24 x 16 cm(9 3/8 x 6 1/4 in). Cut.

Cont: 1/2tp; tp; publ data; fwds; tab cont; ill list; text; name index; subj index; errata; blank p; advert.

The detail and commentary in this large work reflect the author's meticulous research into the literature and thus forms one of the best works on curious lore of amulets and talismans manufactured from inorganic materials that one can find. The first and shortest part of the text gives a general history of protective devices and substances, embracing natural attributes as well as those of supernatural origin. The next part discusses the substances, including those taken from the mineral kingdom, among such being prehistoric tools and implements, fossils, beads made from amber and gemstones, as well as ordinary stones and even fossils, while one section, 208-291, is devoted to stones entirely, commencing with a general view of the subject, ancient stone materials, some of which are now no longer identifiable, colored stones, stones with natural holes in them, and lastly, certain special stones as agate, alabaster, amethyst, and many others, among them many gemstones. The superstitions connected with these are explained. References are furnished at the end sections. The useful illustrations depict many types of amulets including those made from minerals.

5953. SELLNICK, M Die Oribatiden der Bernsteinsammlung der Universität Königsbergs i. Pr. *Schriften Physikal-ökon Ges Königsberg*, 59, 21-42. Not seen. 5954. SELMEIER, A Jungtertiäre Kieselhölzer (Bombacaceae, Tiliaceae, Meliaceae) aus dem Ortenburger Schotter von Rauscheröd (Niederbayern). *Münchener Geowissenschaftliche Abhandlungen*, Reihe A, Geologie und Paläontologie, 6, 1985, 89-140, 9 ill, 10 pls. Not seen.

5954A. SELWYN, A

The | Retail Jeweller's | Handbook | and Merchandise Manual | for Sales Personnel | by | A.Selwyn | (Editor, 'Watchmaker, Jeweller and Silversmith') | London | Heywood & Company Ltd. | The Watchmaker, Jeweller and Silversmith [1945]

8°: 480 p(418-80 adverts); 13 tip-in glossy col pls; 303 fig. Dull red cloth, gold title on cover & spine. Col dj. 21.6 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. 17s 6d. JSL.

Cont: 1/2tp; front; tp; publ data; pref & ackn; tab cont; ill lists; 23 chs; append; ackn; index; advert.

Comprehensive, yet in enough detail to win quick acceptance, this work passed into a number of editions and proved particularly useful to tradesmen in England and elsewhere, and also won a wide following among gemologists. Of the four text parts, the first treats jewelry merchandise, the second the materials used in the fabrication of jewelry, including gemstones, the third describes jewelry manufacturing processes, and the last discusses practises that have proved essential if one is to succeed in the jewelry business. Notable is the large wordage devoted to gemstones and gemology, chapters 15 & 16, p 182-277, the first on diamonds and other top-value gemstones, and the second treating all others, including pearl. By themselves these chapters could stand as a satisfactory introduction to gemology. The color plates are from the series sold to the general public by the British Museum(Natural History), in this case, depicting rough and cut gemstones in the museum collection.

5955. -----1946, 2nd edit Essentially a reprint.

5956. -----1948, 3rd edit Same title. 8°: 519, [1 blank]p(p 445-519 adverts); same col pls but front pl now printed on one of the tip-in leaves; same text fig, same cloth, col dj with col pl on cover, vita, advert. Same p ize. 25s. JSL. Minor corrections & additions.

5957. -----1949, Span edit

El Arte | De La | Joyería | Guía Del Joyero Detallista | Para El Conocimiento De Las Joyas | De Sus Materiales | Y Su Comercio | Por | A. Selwyn | Versión De La 3ª Edición Inglesa | [logo] | Editorial Gustavo Gili, S.A. | Barcelona * Calle Enrique Granados, 45 * MCMXLIX [1949]

8°: [3], [1 blank], 471, [1 blank], [17 advert], [1 blank]p; same ill. Blue leatherette cloth, silver title in elaborate frame on cover; similar on spine. Pale gray endp (publ logo pattern). Col dj, col photo on cover, resume, other publ bks. 22.1 x 14.3 cm(8 3/4 x 5 5/8 in). Cut. JSL.

Cont: 1/2tp; front; tp; publ data; pref; text; append; tab cont; advert.

5958. -----1950, 4th edit

The | Retail Jeweller's | Handbook |...| A.Selwyn | The Watchmaker, Jeweller and Silversmith | London | Heywood & Company Ltd, | Tower House, Southampton Street | Strand, W.C.2 [1950]

8°: 422, [2 blank]p; same ill, cover, etc. 21.5 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. 25s, JSL.

Minor revisions, corrections; adverts omitted.

5959. -----1950, "New Edition," ie, 4th edit

The | Retail Jeweller's | Handbook |...| A.Selwyn | [logo] | 1950 | Chemical Publishing Co., Inc. | Brooklyn New York

While stated to be "New Edition... 1950," it is actually the same as London 4th.

5960. -----1951, 5th edit Same title. 8°: 483p(423-88 advert); same ill, cover, etc. 21.4 x 14 cm(8 1/2 x 5 1/2 in). Cut. 25s. JSL. Contents: same.

5961. -----1955, 6th edit Again a reprint.

5962. -----1962, 7th edit, rev

The | Retail Jeweller's | Handbook |...| A.Selwyn | 7th Edition revised by | J.J.Adler | And | G.F.Andrews | London | Heywood & Company Ltd | Publishers of 'The Watchmaker, Jeweller, and Silversmith' | 1962

16°: xii, 381, [1 blank]p (p 361-81 advert); 136 fig; 12 col pls on 6 glossy f bound-in betw 180-81. Red cloth, gold lett as before. Col dj, col photo on cover; resume, adverts. 21.6 x 13.8 cm(8 1/2 x 5 1/2 in). Cut. 42 s. JSL.

Cont: 1/2tp; tp; publ data; dedic; fwd; pref; tab cont; 24 chs; gloss; append; ackn; index; advert; blank p.

"The plan of the book remains unchanged but many of the illustrations have been omitted or replaced by photographs of modern jewellery, and much of the text has been rewritten. As a result... the book has been re-designed and the type reset." There is a fifth part, on clocks and watches, that is new; gemstones now treated in chs 14 & 15, 145-219. Rev *J Gemm*, 8, 7, 1962, 261.

5962A. -----1968, 7th edit(2nd impress) 16°: 360 p; same ill. Smooth, mottled red leatherette, gold title on spine only. Col dj. 21.4 x 13.8 cm(8 1/2 x 5 1/2in). Cut. Te stained pale blue. 45 s. JSL. Now printed offset on dull instead of glossy paper; fwd & pref rearranged; no adverts; front matter paged continously with text; otherwise identical. Last issue of this work as such, but then superseded by Blakemore's *The Retail Jeweller's Guide*, 1969, which see.

5963. -----1951

Jewellers' And | Watchmakers' | Pocket Book | Advisory Editor | A.Selwyn | Contributors | B.W.Anderson, B.Sc., F.G.A. | G.F.Andrews | J.Eric Haswell, F.B.H.I. | Ernest A.Smith | E.Trillwood | London | Heywood & Company Ltd. | Tower House, Southampton St. | Strand, W.C.2. [1951]

8°, hinged at top, oblong: 503, [1 blank]p; many fig. Dk maroon leatherette cloth, gold title on cover & spine. 12.4 x 7.7 cm(4 7/8 x 3 in). Cut. 15s. JSL.

Cont: 1/2tp; tp; publ data; pref; tab cont; 4 sects; appends; index; blank p.

While hinged at top, not all pages are printed to conform, some being printed horizontally such that the hinge is at left instead. Section 1 numerous tables of weights & measures; 2 information, data, etc on metals employed in jewelry & related matters; 3 gemstones, p 176-300, prepared by Anderson, probably with cooperation of Andrews; 4 horology. Appendices provide a miscellany of information on the jewelry trade. In the gemstones section appear property tables, birthstone lists, wedding anniversaries, diamond grades, gem cut styles, imitations & plastics, pearl data, and brief remarks on gem testing. Physically small, handy, accurate.

5964. SEMENENKO, N P, editor

Akademiya Nauk Ukrainskoy SSR | Institut Geokhimi I Fiziki Mineralov | Almazonosnost | Iugo-Zapadnoy Ukrainy | Russkoy Platformy | Izdatelstvo "Naukova Dumka" | Kiev - 1970

8°: 118, [2]p; 22 fig(8 of diamond crystals on tip-in, fold glossy pl); 17 tab. Gray & black wrap, diamond crystals & white lett on cover. 21.5 x 14.1 cm(8 1/2 x 5 1/2 in). Cut. 82 k. Press run 900 copies. JSL.

Cont: tp; abstract & publ data; pref; introd; history of investig; 3 text parts; summ; biblio(p 114-9, 195 entries); tab cont.

Reports of investigations on the diamonds and their deposits discovered in the Ukrainian SSR north of Black Sea; first publication to systematically gather & publish information on this new source of diamonds.

5965. SEMENOV, V B Jasper. Sverdlovsk: Middle-Urals Publ House, 1979, 352 p, 14 r. Not seen; from rev *J Gemm*, 17, 6, 1981, 425.

5966. SEMMOLA, TOMMASO

Lettera Archeologia | Diretta | Al Chiarissimo Signor | Cav. Lorenzo Blanco | Alunno Interprete De'Papiri Ercolanesi, Socio Cor- | Rispondente Dell'Istituto Nazionale Di Wasin- [sic] | Gton, E Dell'Accademia Scientifico-Letteraria | Di Samminiato | Da | Tommaso Semmola | Sulla Interpretazione Di Un'Antica Gemma | In Cui È Rappresentato | Cristo Sotto Le Sembianze Di Orfeo. | [taper rule] | Napoli | Dalla Tipografia Di Raffaello Di Napoli | [rule] 1843.

8°: 18 p; front engrav pl bound-in. Pale gray wrap, cover title in orn frame. 23.7 x 14.5 cm(9 3/8 x 5 3/4 in). Uncut. USGS Kunz Coll, GS 34-809.

Interprets an engraved gem upon which appears Christ shown as Orpheus.

5967. SEN, N B

History | Of | Koh-I-Noor | (The Brightest Jewel in the British Crown) | By | N.B.Sen | "As bountiful as mines of India." | Shakespeare: Henry IV (1st Part) Act 3, Sc.1 | New Book Society Of India | Publishers, Post Box 250, New Delhi. [1953]

8°: 159, [1 blank]p; front tip-in glossy pl + 7 others, all portr photos. Tan-yellow paper over bds, brown cloth spine, no external lett or orn. 18.3 x 12.2 cm(7 1/4 x 4 3/4 in). Cut, JSL.

Cont: 1/2tp; other language edits; front; tp; publ data; pl; dedic; pref with pl; tab cont; pl; 21 chs; blank p. From p [2]: "De-Lux Edition- Illustrated... Rs.12/-"

Up to its date, the most complete history of the Koh-I-Noor diamond published. The text begins with a chapter on the diamond mines of India, then traces the history of the stone from the first recorded notice of its existence and its many changes of ownership as it passed through the hands of rulers in India and adjoining countries. The modern history begins with Ch 15 which explains how the gem came into the hands of the British and finally was recut and set into the crown of England, The last chapter is an appeal for the return of the gem to India. Written in colorful language but nevertheless containing much valuable and authentic information. The photographic reproductions are only poor to fair while the quality of paper is deplorably poor and copies disintegrate with only slight handling, According to p[2], other language versions "to be out shortly" are in Hindi, Rs 3/12/-; Urdu, same; then History of the Peacock Throne at Rs 2/12/-, and the deluxe English edition noted above.

5968. -----1970, 2nd edit, not so stated

Glorious History | of | Koh-I-Noor | (The Brightest Jewel in the British Crown) | by | N.B.Sen | "As bountiful as mines of India." |...| New Book Society Of India | Publishers, Post Box 250, New Delhi. [1970]

8°: 127, [1]p; front glossy pl bears 3 photos, tip-in + 6 photos on 3 other glossy pls tip-in; 9 ill. Black cloth, Brit state Crown on cover; lett & rules on spine, all in yellow. Pale green & white dj; resume, other bks edited by author. 21.5 x 13.8 cm(3 1/2 x 5 1/2 in). Cut. Rs 15; foreign $4.00 or 25s. JSL.

Cont: 1/2tp; publ data; front; tp; ill; dedic; other bks edit by author; pref; ill; tab cont; "Poetic price...;" ill; 17 chs; ill.

While this edition repeats almost unchanged the previous material, except for an exchange of two chapters, up to ch 17, the remaining chs of the first edition are omitted. These concerned the demand that the Koh-I-Noor be returned to India. Most illustrations are new and include sketches of such political figures as Nehru and Ghandi. The quality of materials and workmanship improved but still sleazy by western standards. Rev *Austral Gemm*, 11, 3, 1971, 28-9.

5969. SENDEL, NATHANAEL(1686-1757)

Nathanaelis Sendelii | Medicinae Doctoris, & Physici Ordinarii | Reipublicae Elbingensis. | Electro- | Logiae | per varia | Tentamina | Historica Ac Physica | continuandae | Missus Primus[-Secundus, Tertius] | De | Perfectione Succinorum | Operibus | Naturae Et Artis | promota | Testimoniisque | Rationis Et Experimentiae | demonstrata. | [rule] | Terent. Adelph. Act. V.Scen.IV |...[4 lines of Latin quote]...| [rule] | Elbingae, Sumptibus Autoris. | Typis Samuelis Preussi. | A.O.R. MDCCXXV[-XXVIII].

In three "missives" or parts, each with own title as above, in red & black, but with slightly different wording according to content, eg:

II: "...| Missus Secundus | De | Mollitie Succinorum | & inde emergentibus | Contentis | variis | Animalibus | Vegetabilibus | Mineralibus | atque | Aquosis. | [rule] | Elbingae...MDCCXXVI.

III:"Nathanaelis Sendelii, M.D. | Potentissimi Poloniarum Regis Aulae Medici, | & Patriae Civitatis Physici Ordinari |...| Missus Tertius | De | Prosapia Succinorum | Et Eorum Variis | Affectionibus. | VI Electrica, | Colore, | Odore, | Sapore. | [rule] | Elbingae... MDCCXXVIII.

4°: [8], 56, [8], 64, [8], 56, [8], 64 p;)(^{4}, A-G^4;)(^{4}, A-H^4;)(^{4}, A-G^4. 19 x 15.5 cm(7 1/2 x 6 in). Ch orns. Cropped. USGS Kunz Coll, GS 34-1008; Dewalque 484.

Cont: I: tp; dedic; pref; text in 2 sects; tab cont. II: tp; dedic; tab cont; text of sect 1; tab cont & text for sect 2. III: tp; dedic; tab cont for sect 1; text; tab cont & sect 2.

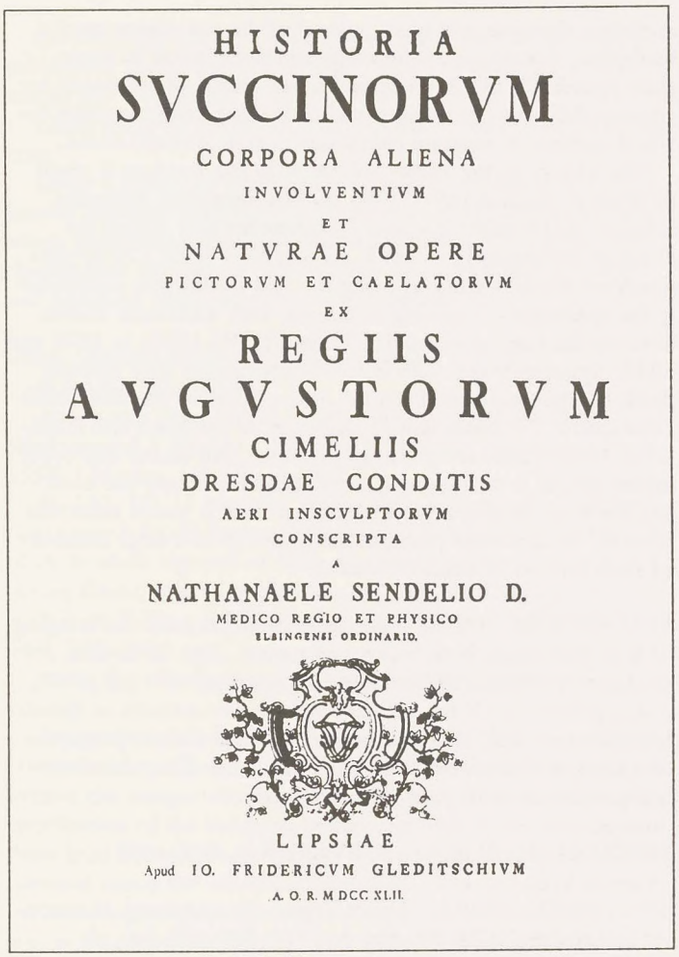
A large and very complete work on Baltic amber, including its history, early knowledge of amber and mentions in previous literature, its uses, sources, origin, properties, inclusions, and other information that Sendel was able to glean from the literature and from his own experiences with its many forms as found locally. J F John, *Naturgeschichte des Succins*, 1816, which see, notes on p 81-3 both of Sendel's works on amber and further that Sendel was of the opinion that amber was a kind of resin formed within the earth's crust and transported upwards to fill in veins and cavities in near-surface strata. Mentioned by F D Adams, *Birth and Development, Geological Sciences*, 470. It is very rare, and having been published in three parts, it sometimes happens that these appear separately in the antiquarian market. The English translation, below, is noted by Samuel H Scudder, *A Classed and Annotated Bibliography of Fossil Insects*, USGS Bull 69, 1890, 76.

5970. -----1742

Historia | Svccinorvm | Corpora Aliena | Involventium | Et | Natvrae Opere | Pictorvm Et Caelatorvm | Ex | Regiis | Avgvstorvm | Cimeliis | Dresdae Conditis | Aeri Inscvlptorvm | Conscripta | A | Nathanaele Sendelio D. | Medico Regio Et Physico | Elbingensi Ordinario. | [rect engrav logo of publ inits in elaborate baroque frame] | Lipsiae | Apud Io.Fridericvm Gleditschivn | A.O.R. M DCC XLII. [Leipzig, 1742]

2°: VIII, [2], 328 p; pi^2, b-c^2, A-Z^2, Aa-Zz^2, Aaa-Zzz^2, Aaaa-Nnnn^2; 13 engrav pls(by C F Boëtius) all depicting numerous specimens of amber with inclusions except the last which shows 4 carved figurines; 3 engrav hdpcs; many woodcut tailpcs. 39.5 x 26.5 cm(15 1/2 x 10 1/2 in). Cropped. JSL. Ward & Carozzi 2023. LC 12-17198; Agassiz IV, 314.

Cont: tp; pref; tab cont; 3 parts; pls.


HISTORIA
SVCCINORVM
CORPORA ALIENA
INVOLVENTIVM
ET
NATVRAE OPERE
PICTORVM ET CAELATORVM
EX
REGIIS
AVGVSTORVM
CIMELIIS
DRESDAE CONDITIS
AERI INSCVLPTORVM
CONSCRIPTA
A
NATHANAELE SENDELIO D.
MEDICO REGIO ET PHYSICO
ELBINGENSI ORDINARIO.
LIPSIAE
Apud IO. FRIDERICVM GLEDITSCHIVM
A. O. R. M DCC XLII.

5970. The earliest and fullest description of inclusions in Baltic amber and with discussion of falsified inclusions as frogs! Splendid engraved plates showing hundreds of specimens

The thoroughly remarkable and valuable detailed descriptive catalog of some of the specimens in the collection of amber inclusions that had been assembled for August the Strong(1670-1733), Elector of Saxony(1694-1733), and King of Poland(1697-1704, 1709-1733), and preserved in the famous baroque palace of Dresden known as the Zwinger. This collection was partly destroyed in a fire in 1849. J H Langenheim, *Harvard U Botanical Leaflets*, vol 20, 1964, p 226 claims that this is "the earliest work containing figures of plants in amber."

The first part treats insects in amber, classed as flying types, terrestrial, and apodal, and aquatic insects; a supplement treats microscopic specimens and others not included in the groups mentioned, and also provides a chapter on the falsification of inclusions, p 250-8, which includes explanations of the methods used to enclose spurious inclusions, and referring to figs 19-22 and to Pl VI which depict several frogs(!), an insect, a fish, and a lizard, all modern. The second part describes plant inclusions and also mineral and liquid enclosures, while the third part describes those specimens in which inclusions resemble human figures, also common objects, landscapes, and the like, and also describes some specimens of amber that were worked up into

miniature figurines and busts, several of the last shown on the final plate. A supplement furnishes additional notes to some plate figures. Of the 320 objects shown on the plates, many are given in different orientations and thus substantially increase the actual number of separate engravings over that noted above.

The history of the amber collection in the Zwinger is given by Walther Fischer(1897-1979) in "Das ehemalige Bernsteinkabinett im Dresdner Zwinger," *Wissenschaftliche Beilage des Dresdner Anzeigers*, Jg 9, vol 8, Nr 44, Nov 1932, 175-6, who mentions Sendel's work as being the first to describe scientifically the specimens containing inclusions, with additional studies towards the same goal by G C Berendt(1790-1850) in 1830 and 1845. Apparently the collection was augmented after Sendel's death by the specimens from his own collection. Scudder, *Biblio Fossil Insects*, 77, notes that "a large part of the book and nearly seven of the plates are given up to insects, but amber and copal insects are, as is well known, not distinguished, and the book has therefore far less value and interest than it would otherwise possess." In this same place, Scudder also gives a large number of early reviews of Sendel's treatise.

5971 -----1743 Of the maturation of amber, and the bringing of it to perfection, both by art and nature. *Acta Germanica, or the Literary Memoirs of Germany*, etc, London, vol 1(all publ?), 1743, p 340-53; Of the softness and various contents of amber(abstract), ibid, 360-6; Of the family and various properties of amber, ibid, 389-405. Not seen: ref Banks Libr; the above being translations of parts of *Electrologia*.

SENKEVICH, N N, see KIEVLENKO, E Y, et al

5972. SENN, NORA Ueber Topaz. (Formen und Akzessorien). *N Jb Min*, B-Bd 59, Abt A, 1929, 369-415, figs, pls 13-15; tabs 1-3. Not seen.

SENNERT, DANIEL (1572-1637)

Highly esteemed and well-known medical doctor of Bratislava and prof med Württemburg U. *Biogr Univ*, 42, 42-3.

5973. -----1650

Danielis Sennerti. D. | Vratislaviensis | Epitome | Natvralis | Scientiae | Francofurti | Impensis Caspari Wächtleri | 1650 [Full, elab engrav title above a central globe, cupids to sides, below nat scenes & phenomena]

16° in 8's: [16], 706, [24], 86 p; pi +7)(^{8}, A-Yy^8, Zz^4, A-E^8, F^4. Ch orns, inits. 16.5 x 10 cm(6 1/2 x 4 in). Cropped. The title f appears to be a cancel for a first blank(?) f. USGS Kunz Coll.

P 416-47 on stones and gemstones, their origin, forms, substance, colors, where found, fossils, bezoar, coral, precious stones, and all very brief in view of the author's aim to epitomize natural history knowledge. Appended to the above copy: "Auctarium | Epitomes Physicae |...| Dn.Danielis Sennerti, |...| Francofurti, | Apud Casparum Wächterum. | [rule] | Anno M.DC.L."

5974. SEPHARIAL

The Book Of | Charms And | Talismans | By | Sepharial | Author of | "The Numbers Book", etc. | Illustrated in Line and with | Full-colour Frontispiece | London | W.Foulsham & Co. Ltd. | New York Toronto Cape Town Sydney [nd, ca 1960]

8°: [2 blank], 119, [3 blank]p; first & last f are pastedowns. Tip-in glossy col front pl(talismans, explan sketch on p [9]); 24 fig. Black cloth, gold lett spine. Col dj, with col drawing on cover; red title; resume. 19.6 x 12.8 cm(7 3/4 x 5 1/8 in). Cut. 12s 6d. JSL.

How to make charms & talismans and use of gemstones in same as explained on p 31-8; birthstone verses on p 54-5; elsewhere some scattered references to gemstones. This work preceded by earlier book of the same title but it contained no information on gemstones.

SEPP, J C, see WIRSING, A L

SERJEANTSON, M S, see EVANS, J

SERRE, J C, see LEGRAND, J

SETO, K, see KOZU, S 5975.

5975. SEURAT, L G

Encyclopédie Scientifique Des Aide-Mémoire | Publiée Sous La Direction | De M.Léauté, Membre De L'Institut. | [rule] | L'Huître Perlière | [rulel | Nacre Et Perles | Par | L.-G.Seurat | Zoologiste du Labratoire Colonial du Muséum | Secrétaire de la Société Nationale d'Acclimatation | Lauréat de l'Institut | [orn rule] | Paris | [left:] Masson Et C^{ie} Éditeurs, | Libraires De L'Academie De Médecine | Boulevard Saint-Germain, 120 | [vertical rule, and to right:] Gauthier-Villars, | Imprimeur-Éditeur | Quai des Grands- Augustins, 55 | [below:] (Tous droits réservés) [nd, USGS GS 33-307 gives 1901]

8°: 194, [2] p + 16 p adverts on pale green paper + 16 p of adverts on white paper; 9 ills(photos, cuts). Pale blue print wrap, series vignette on cover with title; adverts other surfaces. 19.3 x 11.8 cm(7 5/8 x 4 5/8 in). Uncut. Semi-glossy paper. USGS Kunz Coll, GS 33-307; JSL.

Cont: ser tp; publ data; tp; introd; 5 chs; concl; tab cont; print data; advert cats.

A fine work on the natural history of pearl-bearing and nacreous shellfish, including anatomy, biology, pearls, occurrence of pearls in shells, structure, composition, artificial production, origin, mode of formation, salt and fresh water fisheries in Europe and America, fishing for abalones, commerce & industries, uses of nacre, cultivation of the shellfish. Many authorities are cited in the footnotes.

5976. -----1901 L'huître perliere. Exposé des connaissances actuelles sur l'histoire naturelle de ce mollusque, les essais de culture dont il a été l'objet, et l'histoire de la formation de ses perles, *Bull Soc Nationale d'Acclimatation*, Paris, 48, 1901, 129-46, 161-76. Reviews current knowledge of the natural history of the pearly mollusks and the attempts to induce pearl growth.

5977. -----1906 La nacre et la perle en Océanie, pêche, origine et mode de formation des perles. *Bull Muséum Oceanografique*, Monaco, no 75, 1906, 25 p, Nacre and pearl in French island possessions in SW Pacific; fishing methods; origin and mode of formation of pearls.

SEVERGIN, VASILY MIKHAILOVICH(1765-1826)

Russ mineralogist, chemist, technologist; son of a court musician; in 1776 to St Petersburg Academy of Science gymnasium; 1784 in the academy's U; thence to Göttingen U, returning to St Petersburg 1789, whence assumed chair of mineralogy and prof of mineralogy; transl Kirwan's mineralogy into Russ, also the mineral portions of Pliny's *Historia naturalis*. Pogg 2, 913-4; DSB 12, 329-30.

5978. -----1790 De schoerlo[tourmaline]. *Nova Acta Acad Scient Imperialis Petropol*, St Petersburg, 6, 1790, 240-58; not seen, from Banks Cat.

5979. -----1795 O Sibirskom berille ili akvamarine [on Siberian beryl or aquamarine]. *Novya Ezhemesiachniya Sochineniya*, 106, 1795, 54-85. Not seen.

5980. -----1805-6 O razlichnykh vidakh, mestoroprebyvanii, obrazovanii i upotreblenii agat [on the various types, localities, formation and uses of agate]. *Tekhnologicheskiy Zhurnal*, St Petersburg, 2, 4, 1805, 130-41; 3, 1806, 70-89. Not seen.

5981. -----1812 O iskusstve vyrezyaniya na kamnyakh [works of art carved from stones]. Ibid, 9, 3, 1812, 3-28. Not seen.

5982. -----1812 Rassuzhdenie O dragotsennykh kamnyakh, nazyvaemykh u Pliniya karbunkulami. *Umozrit.Issled.*, t 3, 1812, 251-64. Not seen.

5983. -----1819 Kaya Plinia Sekunda - Estestvennaya istoria iskopaemykh tel. Not seen. Transl of Pliny's mineralogical section of his *Historia naturalis*.

SEWARD, A C, see MACGREGOR, A M

5984. SHACKLEY, MYRA

Rocks | And Man | Myra Shackley | Institute of Archaeology, University of Oxford | St.Martin's Press | New York [1977]

8°: 159, [1 blank]p; 35 fig(sketches & photos). White paper over bds, title in red & black with photo on cover; red & black spine title; resume & vita back cover, 21.4 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. LC 76.52809; ISBN 0-312-68799-0. JSL.

Cont: blank f(includ in pag); 1/2 tp; tp; publ data; dedic; pref; ackn; tab cont; ill list; introd; text; biblio(149-52, 79 entries); index; blank p.

Nontechnical, interesting essay on the manifold uses to which stones were put by early man. Includes ordinary stones, various minerals and earths, fossils, but purposely excluding metals. After a brief introduction to the geological history of the earth, the text discusses artifacts, building materials, personal adornments, medicinal applications, technology of stone, and curious lore. Gemstones and jewelry are treated in Ch 5, 101-22, which includes remarks on mineral pigments, cosmetic containers, common gemstones, lapidary treatment, engraved gems, amber, jet, and shell. Ch 7, on curious lore, also treats gemstones with special remarks on the jade of the Chinese, There are some misstatements in gemological portions.

5985. SHADMON, ASHER

Marble | in | Israel | By | Asher Shadmon | State Of Israel | Ministry Of Development | Office Of The Controller Of Mines | Reprinted (With Revised Addenda) 1966 [at lower right:] 1965

8°: 55, [1]p; map of Israel inside front cover; 31 photos, 5 col photos, sketch maps, drawing. Thick, col wrap. 27 x 21.5 cm(10 5/8 x 8 1/2 in). Cut.

Cont: map; tp; introd; 4 sects; appends; refs(p [56], 12); tab cont.

Gives a history of exploitation of marble resources in Israel, known deposits, marble technology, marketing, and appendices which give technical terms, polishing agents, trade names, and classification of marbles. The information on polishing agents and polishing buffs is surprisingly complete.

5986. SHAFRANOVSKII, ILLARION ILLARIONOVICH

Akademiya Nauk SSSR | Nauchno-Populyarnaya Seriya | I.I. Shafranovskii | Almazy | [logo] | Izdatelstvo Akademiya Nauk SSSR | Moskva 1953 Leningrad

8°: 152, [3], [1 blank]p; 76 fig(1 fig, fold, tip-in). Pale tan paper over bds; dk brown cloth spine; black lett, brown title, & black & white vignette of Shah diamond on cover in 4-rule brown frame; title in reddish-tan on spine with gold rules. 19.6 x 13.2 cm(7 3/4 x 5 1/8 in). Cut. 2r 65k. Press run 10,000. LC 54-17210. JSL.

Cont: tp; edit data; pref; 2 parts; tab cont; publ data; blank p.

A popular book on diamond, published by the Soviet Academy of Sciences. The first part is a history of the diamond, which stresses the meager contributions of Russians and deprecates the cartelization of the industry. In keeping with Soviet propaganda, there is an illustration of African natives being subjected to personal search for concealed diamonds. Next is a short treatise on crystallography, properties, and types of diamond. Then appear discussions of geology and types of diamond deposits, industrial diamonds, cutting, and optical properties that must be considered in cutting. Brief descriptions are given of the Shah and Orlov, (preserved in Russia), also the major gems of the Cullinan. The last part of the text treats symmetry and structure of the diamond lattice and growth phenomena noted on crystal faces, but this part is so technical that it could scarcely be understood by more than a few among the general public. The fairly constant propagandization of Soviet readers is evident in this book although it is ironic that when diamonds were discovered in Siberia, Soviet officials did not hesitate to come to terms with the detested De Beers cartel in order to market their stones.

5987. -----1964, 2nd(?) edit

Akademiya Nauk SSSR | Nauchno-Populyarnaya Seriya | I.I.Shafranovskii | Almazy | Izdatelstvo "Nauka" | Moskva · Leningrad · 1964

8°: 172, [4]p; 89 fig(1 glossy fold pl tip-inl. Col wrap, cover title. 19.7 x 12.8 cm(7 3/4 x 5 in). Cropped. 27 k. Press run 26,000. USGS Libr,

Cont: tp; annots; pref; text in 2 parts(10 chs); tab cont; publ data; advert.

This appears to be en enlarged edition of the foregoing.

SHAFRANOVSKII, I I, see FERSMAN, A E, 1955

SHAININ, V E, see CAMERON, E N, et al

5988. SHAININ, VINCENT E & DELLWEG, LOUIS F

Maine Geological Survey |...| Bulletin 6 | Pegmatites and Associated Rocks in the | Newry Hill area, Oxford County, Maine | by | Vincent E.Shainin | University of Maine | and | Louis F.Dellweg | U.S.Geological Survey | [state seal] | Prepared in cooperation with the Geological Survey of the | United States Department of the Interior | Maine Development Commission | Augusta, Maine 1955

Centerstapled: 58, [2 blank]p; 11 fig, 8 tab, 2 pls(fold geol maps cemented to inside back cover). Heavy, tan wrap, cover title. 22.8 x 15.1 cm(9 x 6 in). Cut. JSL.

Geology & descriptions of numerous granitic pegmatite bodies on Newry Hill, especially of the Dunton pegmatite which lately became famous for yielding a large pocket of gem quality tourmalines. Gem minerals formerly found are described along with other species.

SHAMSHINA, E A, see ROZHKOV, I S, et al, 1967

5989. SHANNON, EARL V,

Smithsonian Institution | United States National Museum | Bulletin 131 | [rule] | The Minerals Of Idaho | By | Earl V.Shannon | Assistant Curator of Geology, United States National Museum | [Smithsonian seal] | Washington | Government Printing Office | 1926

8°: VII, 483, [1], [4 blank]p; 19 tip-in glossy photo pls; 170 fig. Pale gray-green wrap, cover title. 24.5 x 15.8 cm(9 5/8 x 6 1/8 in). Uncut.

Systematic descriptions: properties, crystallography, occurrences, etc, many with crsytal drawings, and including gemstones.

SHANNON, E V, see LARSEN, E S

SHAUB, BENJAMIN M. (1893-)

USA mineralogist; b York Co, PA; eng degree Cornell U 1925, MS 1928, PhD 1929; prof mineralogy Smith Coll 1931.

5990. -----1975

Treasures from the Earth: | The World of | Rocks & Minerals | by Benjamin M.Shaub | Illustrations by Benjamin M. Shaub and Mary S.Shaub | Consultant: | Joel E.Arem | A Rutledge Book | Crown Publishers, Inc. New York [title photo spread over 2 p; 1975]

8°: 223, [1 blank]p; 93 col photos, 111 b&w photos, 25 drawings(part col); many tabs. Bright yellow unfin cloth, metallic blue lett on cover & spine; blue endp. Black dj, col photo & white title on front; back col photo; resume, vita. 26.3 x 19.5 cm(10 1/4 x 7 3/4 in). Cut. LC 75-14313; ISBN 0-517-52347-7. JSL.

Cont: 1/2tp; tp; publ data; tab cont; introd; 8 chs; appends; biblio (p 216-7, 44 entries); index; ackn; blank p.

A popular book on the world of minerals, with some theory, practical field work, and descriptions of numerous minerals and the uses to which they are put. In the identification of minerals, Shaub stresses the usefulness of blowpiping and provides a most helpful section to the chapter on testing. In general, the broad topics are mineral properties, crystals and crystallography, rocks and the origins of rocks & minerals, modes of mineral formation & crystallizations, testing, field trip practises, descriptions of principal species, and in Ch 8, 172-95, gems and ornamental stones. The appendices are mineral growth habits, well-illustrated and most helpful to the beginning collector, tests for chemical elements, glossary, a table of elements, lists of museums and sources of supplies, followed by the bibliography previously mentioned. The quality of illustrations range from excellent to fair in some black-and-white photographs.

5991 -----1979 Genesis of thundereggs, geodes, and agates of igneous origin. *Lap J*, 32, 11, 1979, 2340-54, ill(col); 12, 3548-66, 10 ref. Advances his ideas on the formation and favors the theory that these concretionary masses formed from gelatinous blebs of silica entrapped in lava; see also below.

5992. -----1980 Genesis of agates, geodes, septaria and other concretions of sedimentary origin. Ibid, 34, 3, 1980, 650-79, ill(col); 4, 860-4, 886-96, 6 ref.

5992A. -----1989

The Origin Of | Agates, Thundereggs, | Bruneau Jasper, Septaria | And Butterfly Agates | A New Syngenetic Theory For | The Origin Of The Siliceous And | Carbonaceous Nodules Vs. The 200 Year | Old Epigenetic Infilled Cavity Theory For | The Origin Of These Nodules | Benjamin Martin Shaub | M.E., M.Sc., Ph.D., Cornell | Associate Professor Emeritus, | Smith College | Illustrations by B.M. and Mary S. Shaub | The Agate Publishing Co. | 159 Elm Street, Northampton, MA 01060 [1989]

8°: 105, [3 blank]p; col front photo; 19 fig(includes 14 col photos on 5 glossy f at end of text); b&w portr. Dull red cloth, pale gray endp, gilt title on front cover & spine. 25.4 x 20.2 cm(10 x 8 in). Cut. LC 89-80739; ISBN 0-9623605-3. $20.00. P[2]: "First Edition | Edition limited to 500 copies."

Cont: tp;publ data; col pl; tab cont; intro; 11 chs; summ; biblio(p 90, 13 entries); index; author biogr & portrait; col figs; 3 blank p.

Expands theories first introduced in the previous journal articles noted above. Despite the wealth of speculation and theorizing that has been published on the formation of chalcedony, agate, and other forms of chalcedonic growth and replacement extending into the early years of the last century, none of it has been referenced with the result that the author's theory is neither "new" nor tenable in the light of more modern investigations that have taken place abroad. The author's findings are based solely on his examination of numerous specimens that have been collected over a period of many years, some of which are handsomely pictured in the illustrations of excellent quality.

5993. SHAW, FREDERICK MOULTON Gems of the first water and how obtained. [2nd edit]. Los Angeles: F M Shaw and G Bentley, [1887], 3-99 p; 24°. Not seen; taken from LC 1-12441.

5994. SHAW, LOUIS EATON

Faceting [enclosed in box] | The Cutting And Polishing [underlined] | Of Gemstones [underlined] | As A Hobby [underlined] | [drawing of a gem] | Louis Eaton Shaw [underlined] [Priv publ: 28 High St, Glen Ridge, NJ, 5 Dec 1960]

Cementb: [8], 70, [2]p; 50 photos & drawings. V pale grayish-blue cloth, faceted gems on cover with black lett; black lett spine. 17.8 x 12.5 cm(7 x 4 7/8 in). Cut. JSL.

Cont: tp; print data; pref; tab cont; ill list; 8 chs; append; [2] "memoranda" pages.

Excellent, concise description of steps needed to select, shape, facet, and polish gems, with information on suitable equipment, use of accessories, lap surfacing, designing gems, etc. Appendices: recommended facet angles; birthstone list; basic equipment & costs; bibliography; selecting grinding wheels. The author's machine for faceting of course is featured but the principles involved are applicable to other facet machines as well. The many diagrams are a particularly helpful aspect of this work.

SHAW, P, see BOYLE, ROBERT, 1725

SHAYNE, A, see KRAUS, E H, et al, 1942

5995. SHCHEGLOV, N P O dragotsennykh kamnyakh i sposobakh raspoznavaniya onykh [on gemstones & methods for recognizing them]. St Petersburg, 1824, 245 p; not seen.

5996. SHCHELKANOV, P A Dragotsennye metally i samotsvety [precious metals and jewels]. Moscow & Leningrad, 1925, 138 p; not seen.

5997. SHCHERBAKOV, D I

D.I.Shcherbakov | [orn rule] | A.E.Fersman | I Ego | Puteshestviya | [pen & ink sketch] | Gosudarstvennoe Izdatelstvo | Geograficheskoy Literatury | Moskva · 1950 [title in red & black]

8°: 197, [3]p; portr front pl; pen & ink head- & tailpc sketches; text photos. Paper over bds, Fersman photo on front; spine cloth pale blue with red lett; back cover white paper, black lett. Pale blue endp, Stapled sections. 19.9 x 13 cm(7 7/8 x 5 1/8 in). Press run 3O,0OO. 4r 80 k. JSL.

Cont: front tip-in; tp; 8 chs; tab cont; publ data.

Biographical notes on Fersman emphasizing his numerous travels throughout the USSR and abroad to study geology and mineralogy, and to collect specimens, with special emphasis on his expeditions into the southern portions of Asiatic Russia. See also biog of Fersman by O N Pisarzhevskii.

5998. SHEARER, HAROLD K Cristal de rocha na bacia do Araguaia. Brasil, *Div Fom Prod Min*, Bol 61, pt 1, 1944, 13-41, pl, map. Not seen: Iglesias & Meneghezzi 1949, p 40.

5999. SHEDD, SOLON(1860-1941) The building and ornamental stones of Washington. *Wash Geol Survey, Vol II, Ann Rpt for 1902*, Pt 1, Tacoma, 1903, 1-163, Pls 1-22. JSL. Generalities on the stones, tests, types found in the state and in specific areas, tables of strength test results, quarrying methods, dressing; includes marbles and serpentines. GS 12-602.

6000. SHELDON, LOUISE VESCELIUS

Yankee Girls In Zulu Land | By | Louise Vescelius-Sheldon [sic] | Illustrated By G.E.Graves | After Sketches From Life By E.J.Austen | [vignette, a stage-coach] | New York | Worthington Co., 747 Broadway | 1888

8°: [2], 287, [1 blank]p; ca 100 small ch vignettes. Dull orange ribbed cloth, col Zulus & gold title on cover; gold spine title & dec. Brown, dull-finish endp. Teg, fe untrimmed. Glossy paper. USGS Kunz Coll; LC 6-28005; JSL.

Cont: blank flyleaf; tp; publ data; 35 chs; blank p; blank flyleaf.

From Ch 8, p 54, to Ch 12, p 100, there is much on diamonds, Kimberley, the mines & miners, their lives, work, and recreations, with additional mentions of diamond mining in later chapters. A charming work which contains considerable first-hand information, The chapter vignettes are beautifully drawn. Allibone, *Suppl*, 2. See also entry under VESCELIUS-SHELDON, L.

6001. SHELFORD, R On a collection of blattidae preserved in amber from Prussia. *Linnean Soc J - Zool*, 30, 1910, 335-55, Pl 47. USGS Kunz Libr.

SHELLEY, FRANK(1849-)

Among the memorabilia in the Kunz Collection, U,S.Geological Survey Library, Reston, Virginia, is a letter, dated Boston, June 12, 1913, from Shelley to Kunz in which he explains that he is in dire financial straits and begs Kunz to buy several copies of his 12th edition of *Legends of Gems* at one dollar each, to which letter is appended a note from Kunz enclosing a check for one copy. In a previous letter, dated Oct 29, 1912, from Boston, and enclosing a clipping from *The Boston American* newspaper, Oct 27, 1912, Shelley relates his dismal career which began as a bank clerk in London, where he was born, and through several types of occupations, at none of which he was to succeed. The article claimed him to be cousin to the famous poet Percy Bysshe shelley, and grandson of Commodore Boyman "who piloted the British warships out of Boston harbor in the famous Evacuation which we Bostonians now annually celebrate."

6002. -----1893

Legends Of Gems | By | Frank Shelley | [logo] | New-York | R.H.Russell & Son | MDCCCXCIII [title in red & black]

8°: 124, [1], [3 blank]p; front photo portr, tissue, with facsimile greeting & signature on white glossy f tip-in. Orn inits, the first in red & black, Limp black, pebbled leather, gold scrolls in cover corners, title in gold at top cover, and gold orn in center; spine & back cover plain. Rounded cover & paper corners. Dk blue, ribbed endp, gold leaf design. Aeg. 14.5 x 10.9 cm(5 3/4 x 4 1/4 in). LC 12-38463. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; text; logo; 3 blank p.

Charming anecdotes of gems, from the occult and curious to those that are true. Inasmuch as the type is small, the physical size of the book belies the really large amount of information contained therein. The gems treated are the classic precious stones plus topaz, cat's-eye, turquoise, beryl, organic gemstones, varieties of quartz, lapis lazuli, and also porphyry, toadstones, carbuncles, jade, and paste. Considerable scientific information is incorporated and there are useful remarks on large or famous gemstones, especially among the diamonds. A handsome production as befits the De Vinne Press, and the book passed into a number of printings, some for jewelry firms who then issued them as favors to special customers.

6003. -----1895, 2nd edit

Legends Of Gems |...| R.H.Russell & Son | MDCCCXCV

8°: 126, [2 blank]p. Full, red leather, limp bds, rounded corners. Gold title & dec on cover. Pale brownish-tan floral pattern endp. Teg. 13.9 x 10.6 cm(5 1/2 x 4 1/4 in). Another, later(?) issue, in thin bds covered with red, leather-like paper, pale tan endp; te natural, others untrimmed. 15.7 x 12 cm(6 1/8 x 4 3/4 in). Uncut. JSL.

Portr front omitted; 2 p added to text; De Vinne logo omitted; final f blank; otherwise identical. This edition reprinted for jewelry firms, eg, for E P Roberts & Sons, Pittsburgh, in dk blue paper grained like leather, title of book & firm name on cover, ae uncut; another issue for W D Tustin & co in white cloth-type paper over bds; and others.

6004. -----1895, rev edit A new portr photo, with tissue, reappears as the frontispiece but lacks the facsimile signature. A new leaf, unnumbered, is inserted after the titleleaf and is a preface dated October, 1905 at New York; it includes a lengthy, favorable review of the work from *Christian Herald*. Smooth dk maroon limp leather, title only, in gold, on cover. Pale tan endp. 14. 3 x 10.2 cm(5 5/8 x 4 in). Aeg. Corners square. JSL. Other edits up to 12th, not seen.

SHEPARD, A O, see KIDDER, A V, et al

SHEPARD, CHARLES UPHAM(1804-1886)

USA mineralogist; grad Amherst Coll 1824, LLD 1857; MD from Dartmouth Coll 1836; numerous tchng positions in New England colleges.

6005. -----1872 On the corundum region of North Carolina and Georgia, with description of two gigantic crystals of that species. *Amer J Sci*, ser 3, 4, 1872, 109-14, 175-80. "The largest crystal ever found [in North Carolina]... discovered by Mr.Jenks and described by Professor Shepard... is now in the cabinet at Amherst College; but much injured by the disastrous fire of 1882, which destroyed so many fine specimens of the Shepard collection. It weighed 312 pounds."(G F Kunz, *Hist Gems North Carolina*, 1907, 18)

6006. SHEPARD, ODELL

The Lore | Of The | Unicorn | By Odell Shepard | London | George Allen & Unwin Ltd | Museum Street [1930]

8°: 312 p, p[1-2] blank; front pl + 23 pls on glossy f, tip-in & bound-in; 4 fig. Red buckram, blind title on cover with unicorn heads, the last on back cover also; gilt spine title. 23.5 x 15.5 cm(9 1/4 x 6 1/8 in). Te stained pink, Small ch orn(outline drawings). JSL.

Cont: blank f; 1/2tp; other bks of author; tp; publ data; dedic; ackn; quot; tab cont; ill list; text tp; 10 chs; text notes; ill notes; index.

Fully delightful, scholarly work which explores the unicorn legend in all its manifestations from antiquity to relatively recent times. Simultaneously, Shepard imparts much of value on horn and ivory, the forms of which in earlier times may have bolstered the belief in the existence of the unicorn. The first several chapters trace the lore of the unicorn in the Far East, Near East, the Mediterranean, and in the West, bringing the study up to date and then devoting all of Ch 5 to magical & curative powers attributed to the unicorn horn. Scarcely less valuable is Ch 6 which should delight any bibliophile because of its references to many works of past centuries in which the unicorn was described factually ! to fantastically. For example(p 176 ff) Shepard gives an excellent summary of Thomas Bartholin's *De unicornu observationes novae*, which work is devoted entirely to what was known in the 17th century about the unicorn. Here also are critiques of works by Sebastian Münster, Conrad Gesner, Andrea Marini, Andrea Bacci, Ambroise Paré, De Boodt, and many others, which Shepard sometimes examines at such length that his remarks, in effect, become book reviews. Remaining chapters now discuss the information unearthed and provide speculations and conclusions, again with insertion of much useful material for the student of curious lore and the gemologist interested in the nature and sources of ivory and horn. Much space is devoted to the singular ivory tusk of the narwhal which by protruding from the forehead of the mammal appears to be the most logical candidate for the origin of the unicorn legend. In addition to a brilliant, often amusing text, Shepard provides illustrations notable for their variety and interest, with many extracted from older works of art in which the unicorn is represented. Captions for Pls IX-XVII transposed; while captions read correctly, they do not in the notes to the illustrations, p 304; these mistakes also present in the USA edit. A later issue in less thick, smoother cloth of red color but minus the top edge staining.

6007. -----1930, New York

The Lore |...| [logo] | Boston And New York a Houghton Mifflin Company | 1930

Identical; darker red cloth; gilt unicorn, rampant, on front cover; back cover plain; te stained yellow. 23.8 x 15.8 cm(9 3/8 x 6 1/4 in).

SHEPHERD, G F, see ROCKS AND MINERALS MAGAZINE

6008. SHEPHERD, WALTER

Flint | [taper rule] | Its Origin, Properties and Uses | Walter Shepherd | Faber And Faber | 3 Queen Square | London [1972]

8°: 255, [1 blank]p; tip-in col front pl; ca 50 photos on 14 bound-in glossy f; 66 fig. Bright, turquoise cloth, gold spine title. Col dj, resume, other publ bks. 21.6 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. £ 5.00. ISBN 0 571 09926 2. JSL.

Cont: 1/2tp; other bk of author; front; tp; publ data; pref; tab cont; ill list; 6 chs; 10 appends; biblio(p 235-44, 160 entries); index; blank p.

Fine, detailed study of the cryptocrystalline quartz(chalcedony) known as flint, also its relatives, and treating its nature, occurrences in the chalk strata of Europe, how it forms, occurrence in secondary deposits, and the many uses to which flint has been put by mankind. The appendices provide technical data, fossils found associated with flint or enclosed therein, the role of water in its formation, Stone Age cultures, England's flint mines, and the etymology of flint in many languages. While flint is not used in large quantities as a gemstone much of it is quite suitable for lapidary treatment, and at least some examples, from beaches in the south of England, have been cut and polished as seaside souvenirs. Contains much of value to the gemologist and lapidary.

6009. SHERIDAN, MICHAEL How to polish rocks and gems. Trend Spotlite Book 103, U.S.Copyright 1958 by Trend Books, Inc., 5959 Hollywood Blvd, Los Angeles 28, Calif. Centerstapled: 64 p, ca 105 photos, col wrap. 20 x 13.1 cm(7 7/8 x 5 1/8 in). $.25. JSL. Popular; topics: scope of hobby, collecting trips, home workshop, lapidary treatment, tumbling, care of equipment, use of UV light, references.

6010. SHERMAN, E GREGORY Gem of all ages - the opal. *The Gemm*, 24, 290, 1955, 159-63; 291, 183-6; 292, 208-11. JSL. General remarks.

6011. SHERMAN, JOSEPH J

Secrets | Of | Creative | Gem Stone Cutting | (Cabachoning) [sic] | By | Dr.Joseph J.Sherman | A.B.,L.L.B., J.D. | (Commercial Gem Cutter) | Published By | Groves Printing Company | © Dr.Joseph J.Sherman 1973 | Reproduction in whole or in part, without permission, is | strictly prohibited.

Centerstapled: [4], 20 p; ca 34 line drawings. Black paper wrap, col photo of gems on cover, green & white lett; col photo jewelry back cover. 21.5 x 13.8 cm(8 3/8 x 5 1/2 in). Cut. JSL.

A book that never should have been published; it is full of misstatements, written in incredibly poor prose, sometimes incomprehensible, illustrated with crude sketches and consistently misspells the word cabochon in title and text, even when that style of cutting is the theme of the book. Insofar as "secrets" are concerned, the author presents nothing that cannot be found in standard works on lapidary(and stated in far clearer and accurate language).

6012. -----1974

"Gems In The Rough" | (North Carolina Stones you are looking for) | By | Dr.Joseph J.Sherman | A.B., L.L.B., J.D. | (Commercial Gem Cutter) | Published By | Biltmore Press Inc. | First Printing | © Dr.Joseph J. Sherman 1974 a Reproduction in whole or in part, without permission, is | strictly prohibited.

Centerstapled: 20 p; 19 col photos. Bright red wrap, blue crystals in center of cover(synthetic chalcanthite?), white lett. 21.7 x 13.9 cm (8 1/2 x 5 1/2 in). Cut. $2.00. JSL.

A trivial work; topics: how to wash dirt, how to recognize gemstones in the dirt as ruby, sapphire, kyanite, rhodolite, sillimanite, hematite, pyrope, quartz, topaz, peridot, and beryl. Most of these are shown in cut & rough forms in the photos. There is a discussion of "salting" in the Cowee Valley, in which the common practise appears to be introducing gemstones from foreign sources in order to enrich the gravels for the benefit of paying customer diggers. A list of nine localities finishes the work. As with his previous work, the author provides an encore of misspellings, lapses in syntax and grammar, inappropriate choices of words, and failure to check spellings of words which are crucial to the importance of the text, eg, corundum, misspelled "corrundum," and others.

6013. -----1976

Angulations | (Creative Faceting Techniques and How To Facet a Gemstone) | The Beginner's Handbook | By | Dr.Joseph J.Sherman | A.B., L.L.B., J.D. | (Commercial Gem Stone Cutter) | (Manufacturing Jeweler) | Published By | Biltmore Press, Inc. | © Dr.Joseph J.Sherman 1976 | Reproduction in whole or in part, without permission of the | author, is strictly prohibited. [Publ in Franklin, NC]

Centerstapled: 44 p; 6 fig, 8 col photos; 2 b&w photos. Col photo wrap, publ data inside front cover. 21.6 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. $2.00. JSL.

The author aims to to educate the reader in the complexities of faceting gemstones but this rambling dissertation cannot help but confuse the reader more than to enlighten. Many more illustrations should have been used instead of the obscure prose that the author uses.

There are many misspellings, redundancies, slang, and other lapses which suggest that no one read the manuscript before it passed to the printer. Lastly, when the instructions are examined, it can be seen that they are no more than those provided by manufacturers with their machines; certainly much better information is available in every other book on the subject.

6014. SHIBUYA, GORO [On some blue schiller-feldspars]. *J Min Soc Japan*, Tokyo, 5, 1961, 137-66, 10 fig, 6 tab. In Japanese. Not seen; discusses condition of formation of such feldspars; concludes that they contain exsolved phases with common orientations.

SHIMADA, S, see HAMADA, K, et al

6015. SHIMMEL, CHARLES L

First Edition Price $1.00 | Treatise | On The Art Of | Amateur Lapidary | [rule] | By | Charles L.Shimmel | [rule] | Ten Years experience in cutting semi-precious stones and | polishing of cabinet specimens has resulted in a practical | system which can be used by school students, boy scouts, | hobbists [sic], etc. | Copyright, 1936 | By Charles L. Shimmel | Madera, Calif.

Centerstapled: 30, [2 blank]p; 6 photos; tab(photo); 11 line drawings numbered to "16." Pale brown, thick paper wrap, title & photo on cover; printer back cover. 22 x 14.5 cm(8 5/8 x 5 3/4 in). Cut. JSL.

Cont; tp; pref; tab cont; 7 chs; 2 photos; blank f.

Shimmel was a pioneer in the writing and publishing of books on amateur lapidary work as shown in this example, The first four chapters give detailed instructions on making cabochon-cutting equipment ranging from saws to grinders to polishers, while chapter 5 gives instructions on how to actually prepare the gems, with chapter 6 filled with "hints" and the last chapter a catchall of where to buy materials, equipment, and a list of references, necessarily meager.

6016. SHIPLEY, ARTHUR EVERETT(1861-1927) & HORNELL, JAMES(1865-) The parasites of the pearl oyster. In: W A Herdman's *Rept to the Govt Ceylon on the Pearl Oyster Fisheries*, Gulf of Manaar, pt 2, 1905, p 77-106, *and Further rpt on parasites found in connection with the pearl-oyster fishery at Ceylon*, ibid, part 3, 1905, p 49-56. See HERDMAN, W A. JSL.

6017. SHIPLEY, ARTHUR EVERETT

Pearls & Parasites | By Arthur E.Shipley | Of Christ's College, Cambridge; M.A., Hon.D.Sc., F.R.S. | With Illustrations | London | John Murray, Albemarle Street, W. | 1908

8°: xv, 232 p; 10 fig on 7 tip-in pls. Pale brown cloth spine, gilt, with pale blue cloth sides. 21.8 x 14.2 cm(8 5/8 x 5 5/8 in). JSL.

"A series of essays, most of which are reprints from the Quarterly Review" (Brit Mus(Nat Hist)Cat). Misleading title: only the first essay of 16 pages is on parasites in pearls and some other aspects of pearls and pearl fishing. Reprinted, bound in dull blue cloth, gilt spine. 21.5 x 14 cm(8 1/2 x 5 1/2 in).

SHIPLEY, ROBERT MORRILL(1887-1978)

USA jeweler, gemologist, educator, writer; att Wichita U & Wisconsin U; operated retail jewelry business 16 yrs; conducted gemology courses U So Calif; founded gemological Institute of America 1931; director from 1943 to retirement 1952.

6018. -----1934-41 Important diamonds of the world. *G & G*, 1, 1, 1934, p 5-7, to vol 3, 10, 1941, p 159, or 14 articles altogether. Diamonds described: Orloff, Cullinan or Star of South Africa, Regent, Nassak, Jonker, Sancy, Star of the South, Tiffany, Jubilee, Hope, Florentine, Jonker, Dresden Green, Empress Eugenie, English Dresden, Kohinoor, Great Mogul, Dudley; these articles formed the basis of his book below.

6019. -----1939

Famous Diamonds of | the World | by Robert M.Shipley | [star] | Fascinating Stories Of Famous | Diamonds Which Are Linked, As | Are All Diamonds, With The | Ambition Of Men And | The Love Of | Women | Copyrighted, 1939, by | Gemological Institute Of America | Printed In The U.S.A. [title enclosed in triple-rule frame]

Centerstapled: [1 blank], [1], 62 p; 27 photos, 2 sketches. Silver print wrap, sketch of turbaned seer on cover holding a gem. 15.5 x 11.8 cm (6 1/8 x 4 5/8 in). Cut. JSL.LC 40-9566.

Cont: blank p; pref; tp; text; afterword; index.

After a few introductory remarks, a list is given with names, weights, largest stone cut from rough, reputed value, description, anecdotes, etc: Kohinoor, Great Mogul, Orloff, Shah, Akbar Shah, Sancy, Hope, Nassak, Pigott, Florentine, Regent, Star of the South, Jubilee, Star of South Africa or Dudley, Empress Eugenie, Cullinan or Star of Africa, Jonker, President Vargas, Victoria, Excelsior, English Dresden, Stewart, Tiffany, Dresden Green, Polar Star, Pasha of Egypt, Star of Este, Saxon White, and the unauthenticated Matan or Mattam, Braganza, and Nizam of Hyderabad. Although superseded by other books on the subject, this remains a handy compilation of permanent value; it was printed in large numbers for issue by jewelers to favored customers.

6020. -----1941, "2nd edit," actually a reprint

6021. -----1944, 3rd edit, rev Street address added to title; now 8°: [1], [1 blank], 61, [1]p; same ill. Pale blue cloth, same cover; black spine title. 17.1 x 12.1 cm(6 3/4 x 4 3/4 in). Minor changes.

6022. -----1945, 4th edit, rev Essentially identical to foregoing.

6023. -----1948, 5th edit, rev Publ history now faces tp; ill & text rearranged after p 54; Nizam of Hyderabad now confirmed and redescribed.

6024. -----1955, 6th edit "Printed in the U.S.A." dropped from title; actually a reprint of 5th edit; several styles of bindings, one in turquoise cloth, another in bright blue cloth with silver decor, and still another in silver thick paper wrap.

6025. -----1945.

Dictionary | Of | Gems And Gemology | including | Ornamental, Decorative and | Curio Stones | A glossary of over 4000 English and foreign words, | terms and abbreviations which may be encountered in | English literature or in the gem, jewelry or art trades, | By | Robert M.Shipley | Founder, Gemological Institute of America | and American Gem Society | Assisted By | Anna McConnell Beckley | Research Librarian, Gemological | Institute of America | Edward Wigglesworth, Ph.D., C.G. | President Gemological Institute of America | And | Major Robert M.Shipley, Jr. | Formerly Director of Laboratories, | Gemological Institute of America | A Companion Volume | to | Dictionary of Diamonds | First Edition | Gemological Institute Of America | Los Angeles and Boston | 1945

8°: [4]p + p VII-XI, [1], 1-254 + [blank]f; there is no f corresponding to p I-II. Maroon cloth, gold title in frame on cover; gold title, rule on spine. Dull orange-red print dj. 20.4 x 13.8 cm(8 x 5 3/8 in). Cut. $5.50. JSL. LC 45-6976.

Cont: 1/2tp; other publ bks; tp; publ data; introd; how book to be used; quot; dict; blank f.

Misnomers indicated by quotation marks. Rev B.W.Anderson, *The Gemm*, 14, 167, 1945, 61-2. Reprinted in smooth red cloth.

6026. -----1945, 2nd edit

Dictionary |...| Major Robert M.Shipley, Jr. | Formerly Director of Laboratories, | Gemological Institute of America | Vol.4 of The Jeweler's Library | Price $5.50 | Second Edition | Gemological Institute Of America | 541 South Alexandria, Los Angeles 5 | 1945

8°: XI, [1], 258, [blank f]; p 255-8 on pink paper, tip-in ahead of final f of last gathering. Maroon, pebbled cloth, gold title, frame, and "Second Edition" on cover; gold title & double rules on spine. 19 x 13 cm (7 1/2 x 5 1/4 in). Cut. Same price. JSL.

Cont: 1/2tp; other publ bks; tp; publ data; pref; introd; use of book; quot; dict; addenda; blank p.

Minor corrections; additional definitions appear in the colored paper insert.

6027. -----1946, 2nd edit, 2nd printing

Dictionary |...| Second Edition | Second Printing |...| 1946.

8°: [4]p + p VII-XI, [1], 1-258 p + [blank]f. Maroon cloth, etc. Col dj. 19 x 13.2 cm(7 1/2 x 5 1/4 in). Cut. Same price. Minor corrections, but basically a reprint omitting the pref leaf. Another printing in reddish-tan smooth cloth, cover & spine lett in black. Same price.

6028. -----1947, 3rd edit, not seen. "Additional changes and corrections."

6029. -----1948, 4th edit

Dictionary |...| Vol.4 of the Jeweler's Library | Fourth Edition | First Printing |...| 1948

8°: [2], XI, [1], 261, [1 blank]p. Maroon cloth, "Fourth Edition" on cover & spine. 19.1 x 13.5 cm(7 1/2 x 5 3/8 in). Cut. JSL. Addenda added.

6030. -----1951, 5th edit

Dictionary |...| Fifth Edition |...| 1951

8°: XVII, [1], 261, [1 blank]p; p [I-II] blank. Same cloth. "Fifth Edition" on cover & spine. JSL. Omits "Jeweler's Library" in title; adds an addenda, there now being three altogether. LC 51-5799.

6031. -----1971, 6th edit

Dictionary |...| Curio Stones | (excluding diamonds) |...| The late Anna McConnell Beckley |...| The late Edward Wigglesworth, Ph.D., C.G. | ...| Sixth Edition | Revised and Updated

by the Staff of the | Gemological Institute Of America | 11940 San Vicente Boulevard | Los Angeles, California 90049 [1971]

16°: ix, [1], 230 p. Blue, mottled, leatherette cloth, gold title & edit on cover & spine. 18.9 x 13.3 cm(7 3/8 x 5 1/4 in). Cut. $7.50. JSL.

Cont: 1/2tp; oher publ bks; tp; publ data; prefs(3); use of bk; quot; dict; description of the GIA.

Entirely revised, reset; "excluding diamonds" in title alludes to the fact that specific information on the diamond is now to be found in L L Copeland's *Diamonds*, and *Diamond Dictionary*.

6032. -----1947

Jewelers | Pocket | Reference Book | For The Jeweler | And | His Assistant | Compiled by | Robert M.Shipley | Volume 6 Of The Jewelers Library | Gemological Institute Of America | 541 S.Alexandria Los Angeles 5, Calif. [1947]

16°: xvi + p 1a-29c(72 f or 144 p) + p 201-332 + [4]p; dozens of small photos, diagrams, sketches, maps, etc. Pale blue cloth, gold title on cover & spine. 14.3 x 9.2 cm(5 5/8 x 3 5/8 in). Cut. Three sections in pink paper. $2.75. JSL.

Cont: tp; publ data; fwd; other publ bks; tab cont; note; how to use bk; educ opportunities; calendar; text; gloss; tables; courses available; 4 p "Memoranda."

Compiles wide variety miscellaneous information: jewelry findings, ring sizes, emblems, chains, watches, clocks, silverware, engraving & design, diamonds, gem cuts, gem testing, descriptions of gemstones & sources, propery tables, etc. The curious pagination is the attempt of the author to segregate all data on a single topic within a single page number, la, 2a and 2 b refer to findings, 6a to 6e watches, all of it gloriously illogical and confusing; there are other inconsistences in the text and strange paginations! Despite flaws, the work contained so much concentrated information that it sold readily to jewelers for re-issue to customers, and passed into other editions. Rev *G & G*, 5, 10, 1947, 445-6.

6033. -----1947, 2nd edit

Jewelers |...| Robert M.Shipley | Second Edition | Volume 6 Of The Jewelers Library |... [1947]

16°: [6 blank p, first f is flyleaf) + xvi + p la-29c + p 201-335 + [2 blank]p (last blank f serves as flyleaf); same ill. Pale, blue, same lett but with "Second Edition" on cover. 14.3 x 9.5 cm(5 5/8 x 3 3/4 in).

Identical text up to tables of mark-ups which now enlarged from 3 to 6 pages; calendar for year 1948; former pink paper now pale blue.

6034. -----1949, 3rd edit

Jewelers |...| Third Edition | ... [1949]

16°: [6 blank]p(first f is flyleaf + xvi + p 1a-29c + p 201-340 + [2] + [4 blank]p(last f serves as flyleaf). Same blue cloth, etc, but "1949 Edition" now appears on cover.

Identical to p 325; calendar brought up to date; adds weight tabs p 326-7, gold fineness tab p 323, postal info p 335-6; also a leaf of "Memoranda" and 2 blank f.

6035. -----1950, 4th edit

Jewelers |...| Fourth Edition|... [1950]

16°; [8 blank]p + xvi p + p 1a-29c + p 201-340 + [2]p + [6 blank]p. Maroon cloth, gold title etc on cover with "1950 Edition." Col pl endp, reproducing col pls of G Wild's *Praktikum der Edelsteinkunde*, which see. 14.4 x 9.6 cm(5 5/8 x 3 3/4 in). JSL.

Aside from endpapers, front matter, calendar, identical to 3rd edit.

SHIPLEY,R M, see AUSTIN, A C & MERCER, M

SHIRAI, SHOHEI

Devoted 17 yrs to pearl research in Japan; continued research and visiting activities after retirement(dj flap).

6036. -----1970

The | Story of | Pearls | by | Shohei Shirai | [orn] | [logo] | Japan Publications, Inc. [1970]

4°: 132 p; 63 col photos on 16 glossy bound-in f; 62 b&w photos & diagrams. Unfin blue cloth, white lett spine. Col dj, col photos of pearls & jewels; resume, vita. 25.8 x 18.2 cm(10 1/8 x 7 1/8 in). LC 77-115849. JSL.

Cont: 1/2tp; tp; publ data; dedic; quot; tab cont; pref; 5 chs; append; index.

Outstanding, authoritative, and the best book on pearls to appear in many decades. While written primarily to acquaint the world with the Japanese cultured pearl it nevertheless contains much of value on other pearls. The stress is scientific & technological and much less space is accorded to cultural aspects. Begins by historically treating the pearl with most space given to development of the culture pearl and its industry, then passes to description of the pearl-bearing oyster, its natural history, the pearl itself, properties, structure, composition, and results of electron-microscopic investigations. The third chapter describes pearl culture in all phases from farm to insertion of nuclei and retrieval of the grown pearls. Chapter 4 explains processing of pearls once extracted, while the last chapter discusses the role of pearls in jewelry, with advice on care and purchase. The appendix gives a table of production and the quantities of pearls per momme, according to diameter in mm. All of it is handsomely illustrated with unusual color and b&w photographs. Rev *Austral Gemm*, 11, 3, 1971, 29.

6037. -----1970, Ger edit

Shohei Shirai Die Perle | [orn] | Sonderausgabe herausgegeben zum | 50 jährigen Firmenjubilaum | von Wilhelm Schoeffel, Stuttgart [1970]

4°: 120 p; 124 ill(63 col photos, 1 diagr, remainder b&w photos). Blue, unfin cloth, white spine title. Col dj, col photos; with loose, printed paper band encircling the book. 25.8 x 18.3 cm(10 1/8 x 7 1/4 in). JSL.

Cont: 1/2tp; tp; publ data; tab cont; fwd; 5 chs.

Follows Engl edit closely; omits append.

6038. -----1981

Pearls | Shohei Shirai, Dr.Sc. | [col photo] | [Japanese caption] | Crown worn by the Cherry Blossom Queen, Washington, D.C. | Couronne portée par la reine de la fête des cerisiers en fleurs, Washington, D.C. | Corona lucida por la reina de los cerezos en flor, Washington, D.C. [titlep blue, lett in yellow & white; 1981]

On flyleaf[sic!], a facing title:" © Copyright, 1981, By Shohei Shirai... Published By Marine Planning Co., Ltd. 418, Akeno, Obatacho, Wataraigun, Mie, Japan 519-05... First Printing: June, 1981..."

On cover: "4 Languages Edition - English - French - Spanish - Japanese."

6°(sewn gatherings of 3 double-f!): [2] p of flyleaf + 168 p of text + [2]p of flyleaf. Both flyleaves contain essential information and hence must be considered as part of the book. Ca 185 col photos, 3 col maps, 6 tinted diagrs; 4 b&w photos. Parts of text printed in blue, many headings in green, red, etc; glossy paper save for endp. Glossy paper over bds, col photo of jewelry on cover, title in Jap & Engl; tinted spine with titles; col photo back cover with "Marine Press Color Guide 4." Corrsepond dj. 20.1 x 21 cm (7 7/8 x 8 1/4 in). JSL.

Cont: flyleaf Pliny quot; publ data; text tp; tab cont; pref; text; biblio(p 167, 22 entries); ackn; vita & portr of author p 168; black flyleaf publ of Marine Planning Co; publ data(both in Japanese).

By far the best modern work available on the pearl although most of it concerns the saltwater cultured pearls of Japan and elsewhere and including some material on the cultured freshwater pearls of Japan. Topics: natural history of the pearl mollusks, structure of nacre & pearl, pearl types, shapes, colors, methods of nucleation, South Seas culture pearls, notes on Mikimoto and his work, how to select pearls, statistics on production, and many other aspects too numerous to mention here. Uniformly high quality photographs.

SHOOK, E M, see KIDDER, A V, et al

6039. SHORE, ERIC

Eric Shore | Lapidary | For Pleasure & Profit | Arco Publishing Company, Inc. | New York [1978]

8°: 96 p; front photo + 48 b&w photos; 26 line drawings; 8 col photos on 4 tip-in glossy f. Dk blue cloth-type paper over bds, gilt spine title. White dj, col photos on covers; red & black lett; resume, vita & portr. LC 77-25058; ISBN 0-668-04533-7. $7.95. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; introd; 10 chs; appends; suppliers list.

An elementary treatment, beginning with a brief chapter on gemstones in general, followed by a systematic, explanation of the equipment and processes involved in various stages of cabochon cutting. A chapter is devoted to tumbling and another describing the commoner gemstones with brief remarks on their properties and lapidary treatment. Appendices: tables of speeds, linear speed conversion, metric conversion; suppliers list for USA & Canada. It is presumed this work was originally published in England, where the author was Head, Boys Technical Department, John Bentley School, Calne,

6040. SHORE, SIDNEY X How quartz crystals are manufactured. New York: North American Philips Co., 1945, 38 p, ill. On synthetic quartz crystals; not seen.

SHPANOV, I A, see MITROFANOV, G K

SHREVE, RANDOLPH NORRIS(1885?-1975)

Eminent USA jeweler; grad Harvard U in chem eng; faculty Purdue U 1930. Obit *Lap J*, 29, 7, 1975, 1335-6.

6041. -----1904

The Emerald Book | A Few Facts Briefly Told | By | Shreve & Co. | [logo] | May | 1904 | Shreve & Company | Publishers | San Francisco [title in black & green, enclosed in rect frame of black & green rules]

Centersewn: 18, [1]p + [1 blank]p; green rule frames around text; green inits. Pale gray wrap, inward-fold flaps, overprint in green & pale green step-cut gem design; green cover title. 16.5 x 13.2 cm(6 1/2 x 5 3/8 in). Cut. Wrap overlaps text. Paper yellowing. LC 8-27907. JSL.

Very handsome, give-away brochure: history of emerald, mineralogical data, curious lore, extract from Ruskin; bibliography.

6042. -----1909 Precious stones, semi-precious stones, jewelry, watches... San Francisco: Shreve and Company, 1909, cloth, 222 p, lavish ill, with a front of gemstones found in California. Not seen; from a bookseller's cat of 1973 which also provides ref as "Romaine, Guide to American Trade Catalogues, 223." The same firm issued other similarly large and elaborate catalogs in later decades.

6043. -----1958 Jade, a symbol of an ancient civilization. *Chinese Culture Quarterly*, 1, 1958, p 1-15, ill. Not seen; summ in G M Born, p 309.

SHUBNIKOV, A, see FERSMAN, A E, 1924

6044. SHUBNIKOV, ALEKSEI VASILEVICH(1887-)

Kvarts i ego primenenie[quartz and its properties(physical & optical)]. *Trudy Laboratorii Kristallografiya Akademiya Nauk SSSR*, Moskva-Leningrad, 1940, 194 p. Not seen.

6045. SIDORENKO, A V, principal edit

Akademiya Nauk SSSR | Vsesoyznoe Mineralogicheskoe Obshchestvo | Mezhdunarodnaya Mineralogicheskaya Assotsiatsiya | Samotsvety | Materialy XI Sbezda MMA, | Novosibirsk, 4-10 septyabrya 1978 g. | Gem Minerals | Proceedings Of The XI General Meeting | Of IMA | Novosibirsk, 4-10 september, 1978 | [logo] | Leningrad | "Nauka" | Leningradskoe Otdelenie | 1980

Cementb: 149, [3]p; publ data inside back cover; many photos & figs. White wrap, print & decor in green on cover; publ, logo & price, back cover. 21.4 x 14.1 cm(8 3/8 x 5 1/2 in). Cut. 70 k. Press run 9100. JSL.

Cont: tp; summ(Russ & Engl); pref(Russ); pref(Engl); text; tab cont (Russ); tab cont (Engl); publ data.

Gemological subjects in 19 articles: M L Dele, P Dhamelincourt, H J Schubnel, Application de la microsonde Raman-laser a l'identification d'inclusions dans differentes gemmes, 5-17, 10 tab, 12 fig, 8 ref(with Russ title & summ); S S Savkevich, Novoe v mineralogicheskom izuchenii yantarya i nekotorykh drugikh iskopaemykh smol(New developments in amber and other fossil resins, mineralogical studies, with Engl summ), 17-28, 4 fig, 26 ref; V S Balitsky, E E Lisitsina, Sinteticheskie yuvelirno-ogranochnye materialy i ikh mesto v mire dragotsennykh kamney(Synthetic materials used for jewellery and carving and their place among gems, with Engl summ), 28-36, 2 tab, 16 ref; G V Bukin, A A Godovikov, V A Klyakhin, V S Sobolev, Sinteticheskiy izumrud(Synthetic emerald, Engl summ), 36-44, 10 fig, tab, 8 ref; B Vakanyats, P Zarich[Zarić], Dragotsennye kamni v Yugoslavii (Gem stones in Yugoslavia, Engl summ), 44-52, 9 ref; L N Rossovskiy, S N Konovalenko, Dragotsennye kamni v pegmatitakh Gindkusha, yuzhnogo Pamira i zapadnykh

Gimalaev(Gem stones in the pegmatites of Hindukush, Southern Pamyrs and Western Himalayas, Engl summ), 52-62, 16 ref; M T Geruvol, V Yu Alkhazov, G A Yurgenson, Mineralogiya produktivnykh mineralnikh kompleksov pegmatitov s dragotsennymi kamnyami Nuristana (Demokraticheskaya Respublika Afganistan), (Mineralogy of pegmatite productive mineral complexes with precious stones in Nuristan(Democratic Republic of Afghanistan), with Engl summ, 63-70, tab; Y Stanek, Dva tipa berillevykh pegmatitov e dragotsennymi kamnyami v severnoy Moravii(Chekhoslovakiya), (Two types of beryllium pegmatites with gem stones in northern Moravia, Czechoslovakia, with Engl summ, 70-4, 12 ref; S Petrushenko, V Arnaudov, Izumrudy is desilitsirovannykh pegmatitov Bolgarii(Emeralds from desilicified pegmatites in Bulgaria), with Engl summ, 74-9, 2 fig, 6 ref; V P Rogova, Usloviya obrazovaniya charoitovoy porody - novogo yuvelirno-podelochnogo kamnya(Formation conditions of charoite rock - new stones for jewellery and carving), with Engl summ, 79-86, tab, 10 ref; A N Suturin, et al, Mineralogiya i genezis nefritov SSSR(Mineralogy and genesis of nephrites in the USSR), with Engl summ, 87-97, 2 fig, 3 tab, 7 ref; V G Ivanov, et al, Mineralogiya lazuritovykh mestorozhdeniy SSSR (Mineralogy of lazurite deposits in the USSR), with Engl summ, 97-104, tab, 2 ref; S J Haynes, Turquoise color and supergene environment, Sar Cheshmeh, Iran, with Russ title & summ, 105-10, 2 fig, 2 tab, 4 ref; V.V. Bukanov, Yu O Lipovsky, Novye nakhodki blagorodnogo korunda v vostochnoy chasti Baltiiskogo shchita (New finds of precious corundum in the eastern Baltic shield), with Engl summ, 110-6, fig, tab, 6 ref; A A Korago, V N Kalikov, B F Golubev, Novye dannye o sostave zhemchuga severo-zapada SSSR(New data on the composition of pearl found in the northwest of the USSR), with Engl summ, 116-21, 2 fig, tab, 8 ref; V Bouška, Moldavites as the precious stones, with Russ title & summ, 122-7, 2 fig, 2 tab, 12 ref; M Sakhanbinski, Mineralogiya khrizoprazov is mestorozhdeniy Nizhney Silezii (Mineralogy of the chrysoprases from the deposits of Lower Silesia), with Engl summ, 128-40, 13 fig, tab, 13 ref; M Superchi, Gemmology as a master academic science, not a part of mineralogy: general principles and concepts, with Russ title & summ, 140-50, fig.

6046. SIEBEL, JOSEPH(1914-) Beitrag zum Farbproblem des Fluorits. Inaugural-Dissertation des Doktorgrades der Naturwissenschaften. Genehmigt von der mathem.-naturw. Fakultät der Rhein. Friedr.-Wilhelms-Universität, Bonn. Vorgelegt von Joseph Siebel aus Söntgerath(Siegkreis). 1941 Trommler-Druck. Magdeburg. Wrap title. Edgestapled: 76, [1]p, front wrap counted in pag; spine green paper over tan wrap. 20.9 x 14.8 cm(8 1/4 x 5 7/8 in). JSL.

On cause of color in fluorite; historical review, investigations on natural specimens, attempts to induce color in synthetic material & results, summary, references, 73-6, 58 entries, vita. Concludes that color may be caused by small quantities of metal compunds of iron, manganese, chromium oxides.

6047. SIEDLE, LOUIS

Louis Siedle | Gem Expert, | Valuer And | Appraiser | [dotted line] | Appraiser for the late Ceylon Pearl Fisher's Co., Ltd. | and Ceylon Gem Mining Companies, Ltd. | [dotted line] | Fee: 1%-maximum and | minimum by agreement. | [dash] | No.1, Victoria Arcade, Colombo [title enclosed in orn-rule frame on front wrap only; nd, ca 194-?]

Centersewn: 47, [1 blank]p (first f blank); author photo on glossy tip-in f at p 7, not includ in pag; line drawings of gem cuts p 19. V pale green glossy wrap; fading to tan. 13.7 x 9.3 cm(5 3/8 x 3 5/8 in). Cut. JSL.

Cont: wrap title; blank f; fwd; tab cont; portr; text; testimonials; blank p.

Promotional/informational pamphlet issued by well-known firm of gem merchants of Colombo, Ceylon. First part on lapidary methods, facts on gem properties, styles of cutting, a dictionary of gems(gloss p 21-33), curious lore, sentiments of months(birthstones), many testimonials.

6048. SIEVERS, H J Curiosorum Niendorpiensium specimen IV, sistens succinorum descriptionem. Lubecae[Lübeck] 1732, p 65-80. Not seen, from G R v Bock, 170.

6049. SILBEY, UMA

The | Complete Crystal | Guidebook | a practical path to self development, |empowerment and healing | Uma Silbey | U-Read Publications, | San Francisco, CA [1986]

Cementb: [2 blank], [8], 227, [2], [1 blank] p; many drawings & photos. Col photo wrap. 21.5 x 13.8 cm(8 1/2 x 5 1/2 in). Cut. $9.95, ISBN 0-938925-00-8.

Cont: blank f; tp; publ data; tab cont; dedic; quot; text; notes; other products of publ; blank p.

Based on use of quartz crystals which are supposed to collect and radiate energy, thus effecting improvement in sensitivity, physical condition, mental state, etc. Topics: exercises, interpretation of dreams, protective devices and means, crystal scrying, healing, instructions for making jewelry and appliances utilizing crystals.

6050. SILVA, CARLOS ALVES DA Gemología. San Juan: Univ Nacional de Cuyo, 1958, 185 p, 1 plate, 5 fold f. Not seen.

6051. SILVESTRI, F Die Thysanuren des baltischen Bernsteins. *Schrift d Physik- Ökön Ges zu Königsberg*, 53, Jg 1912, 1, p 42-66, JSL.

6052. SIMMONDS, PETER LUND(1814-1897) On the pearl, coral, and amber fisheries. J Soc Arts, London, 18, 1870, 173-200. Not seen: G F KUNZ & C STEVENSON, *Book of the Pearl*, biblio.

6053. -----1879 The commercial products of the sea; or, marine contributions to food, industry, and art. By P.L.Simmonds... with thirty-two illustrations. London, Griffith and Farran, 1879. viii, 484 p, ill, 21 cm. Not seen: LC 15-651.

6054. -----1879, USA edit

The | Commercial Products | Of The Sea; | Or, | Marine Contributions To Food, | Industry, And Art. | By P.L.Simmonds, | Editor of "The Journal Of Applied Science," Author Of "Animal Products And | Their Uses," "A Dictionary Of Trade Products," "Tropical Agriculture," | And Other Works. | With Thirty-Two Illustrations. | New York: | D.Appleton And Company, | 549 & 551 Broadway. | 1879.

8°: viii, 484, [12 advert]p; 31 wood engravs, 1 wood engrav tailpc; tables. Brown cloth, red horizontal rules, red & gold coral

branch on front cover; gold lett spine. Pale brown endp. 19 x 12.7 cm(7 1/2 x 5 in). JSL.

Cont: tp; pref; tab cont; ill list; introd; 30 chs; index; advert.

First part on food products, second on marine contributions to indus- try, while the third part deals with marine contributions to art which is of interest here, being exclusively devoted to such decorative products as tortoiseshell, nacre, pearls, coral, and amber. The information is authoritative with descriptions, trade, values, methods of fishing or recovery, processing, uses, and outstanding articles manufactured therefrom. Although short, these articles merited favorable comments and have been extracted or noted in later literature.

6055. -----1883, London, new 2nd edit

The | Commercial Products |...| And Other works. | New And Cheaper Edition. | With Thirty-Two Illustrations. | [logo] | Griffith And Farran | West Corner Of St.Paul's Churchyard, London | E.P.Dutton & Co., New York.

P iv: "Publisher's Note To The Second Edition... April, 1883," hence this is the second edition.

8°: viii, 484 p; 32 ill. Greenish-blue cloth, red, double-rule frame on front enclosing horizontal band of red coral, over-stamped title in black, small red starfish in corners of frame. Similar spine decor; gold lett & black orn, publ name, Back cover with blind double-rule frame only. 19.5 x 13.7 cm(7 5/8 x 5 1/2). JSL.

Cont as above; added note on p iv; text identical. Reprinted in dk blue cloth, gilt lett on spine only.

6056. SIMMONDS, VANE

Fresh Water | Pearls | By Vane Simmonds | Copyright 1899 | By Vane Simmonds [np, ie, Charles City, Iowa]

8°: 27, [1 advert]p; 4 photos with tissues bearing captions in red lett. Thick, mottled green wrap, inward-fold foredges; red & white silk cord side tie. Front cover bears red & black title with price in black boxes. 18.7 x 14.5 cm(7 3/8 x 5 3/4 in). Uncut. USGS Kunz Coll; JSL.

The author, apparently familiar with pearling, writes in popular style about freshwater pearling practises, especially in Iowa, mentioning that he found the "largest pearl known to have been taken from the Upper Cedar River, Iowa. It was the size of a hazel-nut, spherical in shape, and weighed 18 3/4 grains." Praise is accorded to a Mr Herman Meyer, "Promoter of the Interior Pearl Fisheries of America," headquartered at 41 and 43 Maiden Lane, New York City, a pearl buyer.

SIMMONS, D R, see SKINNER, H D

6057. SIMON, KARL Beiträge zur Kenntnis der Mineralfarben. *N Jb Min*, B-Bd 26, 1908, 249-95. JSL. Investigated color in numerous specimens of zircon, amethyst, smoky quartz, tourmaline, topaz when heated in oxidizing, reducing and neutral gases, followed by irradiation with radium rays. Established that color change independent of gas used; commencement of color loss when heated depends on size of specimen; effect of inclusions on color during heat treatment could not be determined; bleached specimens reassumed color similar to originals in zircon, amethyst, smoky quartz, red tourmaline, orange-red topaz. Believed that inorganic substances caused color but these could not be identified. Engl summ by E T Wherry, *Min Coll*, 11-12, Jan-Feb, 1909.

6058. SIMON, WILHELM GEORG Absorption, Dispersion und Farbänderung des Zirkons. Dissertation zur Erlangung der Doktorwürde der Mathematisch-Naturwissenschaftlichen Fakultät der Hamburgischen Universität. Hamburg, 1930. Separate: *N Jb Min*, B-Bd 61, Abt A, 1930, 165-226, 28 fig, 30 tabs. 22.3 x 14.6 cm(8 3/4 x 5 3/4 in). JSL.

Detailed study of absorption spectra, dispersions, color changes in normal(type-b) and abnormal(type-c, metamict) zircons from various deposits including Ceylon and Siam. Of special interest: color changes induced by heat treatment in reducing and oxidizing atmospheres and attempts to restore original colors thereafter.

SIMONDETTI, M, see MANNUCCI, U, 1929

6059. SIMONDS, FREDERIC W The minerals and mineral localities of Texas. *Bull Univ Texas* No 18; at head of title "The University of Texas Mineral Survey Bulletin No.5, December, 1902." Edgestapled: 104, [1]p, pale brown print wrap, title on cover. 23.1 x 15 cm(9 1/8 x 6 1/8 in). Cut. GS 5-357. JSL.

Lists, briefly describes, with localities, the minerals & varieties, and mineral materials, in alphabetical order, followed by a summary of minerals by county. Gemstones are agate, amethyst, aventurine quartz, carnelian, chalcedony, chert, flint, alabaster gypsum, jasper, labradorite, onyx(quartz), opalized wood, pearls, quartz, sagenitic quartz, sardonyx, turquoise. Gathered from a number of sources; first such compilation for Texas.

6060. SIMONIN, LOUIS LAURENT(1830-1886)

La | Vie Souterraine | Ou | Les Mines Et Les Mineurs | Par L. Simonin | Ouvrage | Illustré De 160 Gravures Sur Bois | De 30 Cartes Tirées En Couleur | Et De 10 Planches Imprimées En Chromo-Lithographie | [wood engrav vignette] | Paris | Librairie De L.Hachette Et C^ie^ | Boulevard Saint-Germain, N°77 | [rule] | 1867 | Tous droits réservés [title in red & black]

8°: blank f supplied + [4], III, [1], 604 p; 10 col litho pls; 30 maps(29 col, 2 doublep); 36 fullp wood engravs includ in pag; 127 text wood engravs. Almost all pls are tip-ins; 2 pls of mineral specimens with tissues. Various bindings, commonly 1/4 morocco, elab gilt, red pebbled cloth sides, blind frames; white moiré paper endp; aeg. 26.3 x 17.4 cm (10 3/8 x 6 3/4 in). Dewalque, 1584; JSL.

Cont: blank f; 1/2tp; publ data; front; tp; pref; errata; text; ill list; tab cont.

The "life underground, or mines and miners," emphasizing French coal mines but treating mines all over the world for many kinds of minerals and mineral materials, including gemstones and ornamental stones. The three parts of text take up coal mines, metal mines, and mines of gemstones, 557-90, this last being in four chapters: (a) gemstones & their properties, (2) mines in the Orient and in the tropics, (3) gemstone seekers (for diamonds) in California, in Brazil, India, commercial aspects of the diamond industry, coral and pearl fisheries, and (4) artificial gemstones, imitations, social role of gems. Two color plates depict rough precious to common gemstones. The treatment is necessarily shallow, but exciting to read and as a result Simonin became a popular, much-published author of this and similar works. The best parts are those dealing with coal and metal mines, and with many fascinating, and indeeed sometimes horrific illustrations of mining ardors and dangers.

6061 -----1867, 2nd edit, 8°: iii, 607 p; 56 pls(.part col); 30 maps(col); text figs, etc. Not seen.

6062. -----1868, Engl edit Underground life; or, mines and miners. Translated, adapted to the present state of British mining, and edited by H W Bristow. London: Longmans, Green & Co., 1868; Not seen.

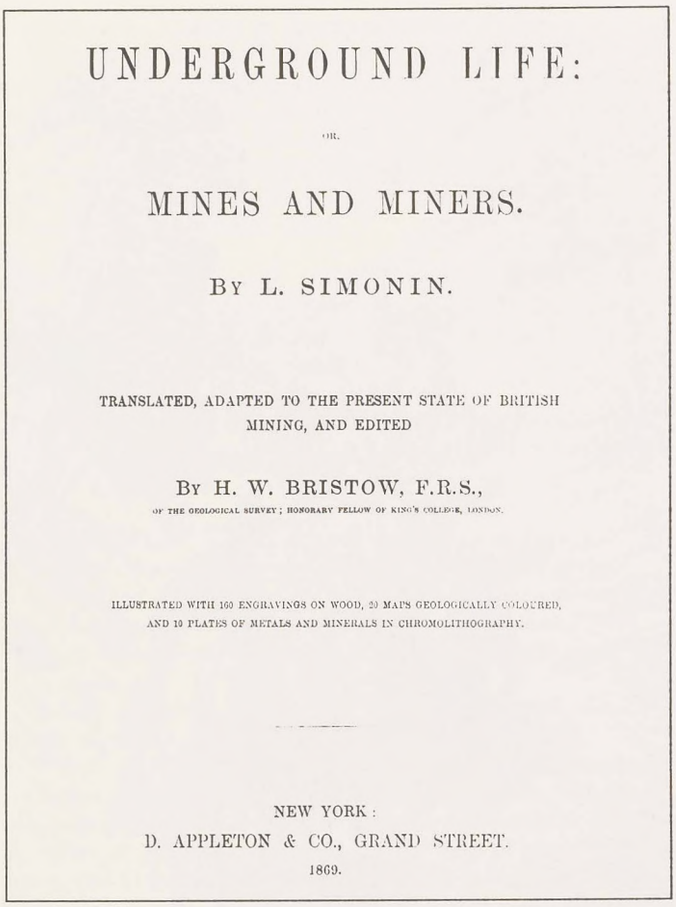
6063. -----1869, New York

Underground Life; | Or, | Mines And Miners. | By L.Simonin. | Translated, Adapted To The Present States Of British | Mining, And Edited | By H.W.Bristow, F.R.S., | Of The Geological Survey; Honorary Fellow Of King's College, London. | Illustrated With 160 Engravings On Wood, 20 Maps Geologically Coloured | And 10 Plates Of Metals And Minerals In Chromolithography. | [rule] | New York: | D.Appleton & Co., Grand Street. | 1869. [title in red & black]

8°: front pl, [2], xix, 522, [2 advert]p; ills as noted in title; only loose tissues supplied to pls; front pl, with tissue, now taken from a fullp wood engrav formerly in text & enclosed in pale yellow decorative frame. All former fullp & other pls now on semi-glossy stock, tip-ins, and not includ in pag, 1/4 green leather, gilt, spine ill in gold of miners descending a shaft; reddish-brown cloth sides. Dk blue-green dull finish endp. 25.6 x 17.7 cm(10 1/8 x 7 in). Teg. JSL. GS 16-54.

Cont: front; tp; publ data; author pref; transl note; errata; col ill list; maps list; other ill list; tab cont; text; index; advert.

Transl note, p iii: "I have chosen to preserve his text entire when it was possible to do so, making only some few interpolations where they appeared to me to be absolutely necessary... the Geology of the maps has either been revised... or new maps constructed... to replace those in the original work when considered necessary." The third part, "Mines of Precious Stones," 487-516, retains the original plates but Fig 163, a fullpage wood engraving, originally on page 581, has now become the frontispiece as previously noted. The text appears to be a straightforward translation. See also BRISTOW, H W



UNDERGROUND LIFE:

OR,

MINES AND MINERS.

BY L. SIMONIN.

TRANSLATED, ADAPTED TO THE PRESENT STATE OF BRITISH MINING, AND EDITED

BY H. W. BRISTOW, F.R.S.,

OF THE GEOLOGICAL SURVEY; HONORARY FELLOW OF KING'S COLLEGE, LONDON.

ILLUSTRATED WITH 160 ENGRAVINGS ON WOOD, 20 MAPS GEOLOGICALLY COLOURED, AND 10 PLATES OF METALS AND MINERALS IN CHROMOLITHOGRAPHY.

NEW YORK:
D. APPLETON & CO., GRAND STREET.
1869.

6063. English translation of Simonin's classic on mining, noted especially for its wood engravings of underground mining scenes and hazards

6064. -----1869

Les Pierres | Esquisses Minéralogiques | Par L.Simonin | Ouvrage | Illustré De 91 Gravures Sur Bois a Par Eugène Cicéri, E.Petot, A.Mesnel Et E.Tournois | De 6 Planches Imprimées En Chromo-Lithographie | D'Après Les Aquarelles De A.Faguet | Et De 15 Cartes Tirées En Couleur | [orn rule] | Paris | Librairie De L.Hachette Et C^{ie} | Boulevard Saint-Germain, N°77 | [rule] | 1869 | Droits de traduction et de reproduction réservés.

8°: IX, [3], 516 p; 6 col litho pls, tissued, one is front; 15 maps & sects in col, tissued; 91 wood engravs of which 41 are fullp & includ in pag. Dk green morocco spine, 4 raised bds, gilt panels & lett; dk green pebbled cloth sides, blind frames. Aeg. White, moire-type endp. 26.5 x 17.5 cm(10 1/2 x 6 7/8 in). USGS 15-779; JSL.

Cont: 1/2tp; other bks of author; front; tp; dedic; pref; text tp; text; ill lists; tab cont.

Handsome, popular work on stones and minerals, including gemstones. The first of two parts treats the mineral kingdom, field trips, origin of stones, stones of France, stones of the world, and including a short chapter, 249-59, on gemstones. The second part considers gold & silver in the Rocky Mountains of the United States, the marbles of Italy, mines of Elba with a few remarks on the pegmatite minerals, and several coal-mining regions of France. Among the color plates, two appear in the chapter on gemstones, one showing famous diamonds and the other idealized gemstone crystals. Another colored plate of ornamental and architectural stones appears in the chapter before. While attractive and interesting this work contains only fragmentary information on gemstones that can be readily obtained in many other sources.

6065. SIMPSON, BRIAN Minerals and rocks. London: Octopus Books Limited, 1974. Not seen.

6066. -----1974, New York

[title spread over 2 p; recto:] Minerals & | Rocks | [logo] | Galahad Books [verso:] Brian Simpson | M.Sc.(Liverpool), F.G.S. | Companion of the Institute of Civil Engineers | Professor of Field Studies, | New England College, Arundel [New York:Galallad Books, 1974; title in orange & white over a col photo of pyrite]

8°: 128 p; ca 95 col photos, 95 b&w photos, 40 tabs & diagrs, some part col. Pale tan paper over bds, pale gray hot-spring terrace photo on both covers; white spine title. Reddish photo of strata endp. Plasticized dj, col hot-spring terrace photo,

6063. Convoy of soldiers and miners from diamond mines in backcountry Brazil

col title on cover & spine, flap resume, vita. 31.7 x 23.2 cm(12 1/2 x 9 1/8 in). Cut. $12.50. ISBN 0 7064 0359 2.

Cont: 1/2tp; tp; tab cont & publ data; introd; 7 chs; ackn & index.

Elementary introduction to geology & mineralogy, leaning heavily on its many excellent illustrations to flesh out a meager, yet accurate and understandable text. Topics: formation & subsequent sculpturing of earth's crust, fossils, plate tectonics, volcanic activity, minerals, rocks, gemstones, and economic geology. In addition to photographs, there are many tables and diagrams, the latter commonly colored in part, and serving to clarify some of the more difficult concepts in the text. Ch 6, 90-109, treats gemstones, including brief remarks on composition, physical & optical properties, lapidary treatment, occurrences, famous gems & jewels, and descriptions of the most important gemstones. As in other works of this sort, commissioned to sell rather to instruct, little can be written about any of the topics taken up in the text, including gemstones.

6067. SIMPSON, BESSIE W (d 1986). Utah gem trails. Gem Trail Publications, Glen Rose Texas, 1952. Not seen.

6068. -----1975, rev edit

Utah Gem Trails | A Field Guide for Collectors | By | Bessie W. Simpson | Revised Edition 1975 | Price $3.50 | Published by | Gem Trail Publications | P.O.Box 157 | Glen Rose, Texas 76043 | Copyright 1952; - 1975 | By, Bessie W.Simpson

Centerstapled: 88 p; 42 sketch maps, 36 photos, 8 small drawings. Bright yellow wrap, title, sketch, black bar with "Revised Edition" on cover. 22.8 x 15.3 cm(9 x 6 in). Cut. JSL.

Brief guides to 41 localities, with sketch maps & directions for reaching same, and collecting tips as well as what to look for. Materials include mainly chalcedonic quartz varieties, also silicified woods, horn coral, geodes, rhyolite, wonderstone, topaz, calcite onyx & marble, gypsum alabaster, obsidian, opal, facet grade labradorite.

6069. -----1958

Gem Trails Of Texas | A Field Guide for Collectors | By | Bessie W. Simpson | First Edition 1958 | Price $2.50 | Published By | Newman Stationery & Printing Co, | Dallas, Texas | Copyright 1958 - Bessie W. Simpson.

Centerstapled: 88 p; key map, 40 sketch maps, 17 fig, ch orns. Red wrap, black title on cover, part enclosed in silver outline map of Texas. 22.9 x 15.2 cm(9 x 6 in). Cut. JSL. LC 58-3281.

Similar to foregoing; 45 locations throughout the state, and including places where Indian artifacts may be found.

6070. -----1962, rev edit

Gem Trails Of Texas |...| First Edition 1958 | Revised Edition 1962 | Price $2.50 | Published By | Gem Trails Publishing Co. | Granbury, Texas | Copyright 1958; 1962 - Bessie W.Simpson

Centerstapled: 88 p, key map, 40 sketch maps, ch orns. Pale red wrap, same, with added small rectangular silver box on cover. LC 62-4905. JSL.

Nine maps are substituted for an equal number in the first edition; 20 new locations added.

6071. -----1961

New Mexico Gem Trails | A Field Guide for Collectors | By | Bessie W. Simpson | First Edition 1961 | Price $2.50 | Published by | Gem Trails Publishing Co. | Granbury, Texas | Copyright 1961 - Bessie W.Simpson

Centerstapled: 88 p; 41 sketch maps, 16 photos, 18 orn sketches. Tan wrap, black lett & flag on cover(Indian sun symbol in red). 22.9 x 15.2 cm (9 x 6 in). Cut. JSL. LC 61-3404.

Similar to previous guides: sites indicated on the detailed maps, with brief instructions on collecting, what to find, etc. Includes Indian artifact sites.

6072. -----1964

Gem Trails Of Arizona | A Field Guide for Collectors | By | Bessie W. Simpson | First Edition 1964 | Price $2.50 | Published by | Gem Trails Publishing Co. | Granbury, Texas | Copyright 1964 - Bessie W.Simpson

Centerstapled: 88 p; key map, 40 sketch maps, 20 photos, 20 text sketches. Bright orange wrap, cover title & sketch of desert scene. 22.8 x 15.2 cm(9 x 6 in). Cut. JSL.

6073. -----1967, rev edit

Gem Trails Of Arizona |...| First Edition 1964 | Revised Edition 1967 | Price $3.00 | Published by | Gem Trails Publishing Co. | P.O.Box 828 | Bowie, Texas 76230 | Copyright 1964; 1967 - Bessie W.Simpson

Centerstapled: 88 p, same maps; now 24 photos; same sketches. Same wrap except words "Revised Edition" added to cover. JSL. Entirely reset; revised by removal some locations and addition of others.

6074. -----1970, another edit; not seen

6075. -----1972, another edit, not seen

6076. -----1974, 4th edit

Gem Trails Of Arizona |...| First Edition 1964 | Fourth Revised Edition 1974 | Price $3.50 | Published by | Gem Trail Publications | P.O.Box 157 | Glen Rose, Texas 76043 | Copyright 1964; 1967; 1970; 1974 | By Bessie W. Simpson

Centerstapled: 96 p; key map, 44 sketch maps, 35 photos, 12 sketches. "Fourth Revised Edition" on cover. JSL.

SIMPSON, CHARLES TORREY(1846-1932)

Joined US Navy in youth, traveled extensively, collected sea-shells; 1889 apptd aide in Div Mollusks, US Nat Mus to 1902 when resigned; author of ca 60 publs. DAB 21, 661-2.

6077. -----1896 The classification and geographical distribution of the pearly fresh-water mussels. *Proc US Nat Mus*, 18, 1896, 295-343; fold doublep sketch map of world mussel distrib; historical notes.

6078. -----1899 The pearly fresh-water mussels of the United States; their habits, enemies, and diseases, with suggestions for their protection. *Bull US Fish Comm*, 18, 1899, 179-288. JSL.

6079. -----1914 A descriptive catalogue of the naiades or pearly fresh-water mussels. Detroit: B.Walker, 1914, 1540 p. JSL.

SIMPSON, EDWARD SYDNEY(1875-1939)

Austral mineralogist; stud under A Liversidge, U of Sydney; after grad apptd Mineralogist & Assayer, Western Australia 1897; Govt Mineralogist & Analyst 1922; DSc U of W Austral 1919. Obit *Amer Min*, 4 25, 3, 1940, 195-96; L J Spencer, *Min Mag*, 28, 199, 1947, 218-9.

6080. -----1948-1952

Minerals | Of | Western Australia | By | Edward S.Simpson | First Volume [of 3] | By Authority: | William H.Wyatt, Government Printer | Perth, Western Australia | 1948[-1951, 1952] | L 12693/48

Vol 1: 8°: [10], 479, [3 blank]p; map of WA, 110 fig(sketch maps, photos, crystal drawings). Olive-green cloth. 24 x 15.2 cm(9 1/2 x 6 in). Cut. Glossy paper. JSL.

Cont: tp; 1/2tp; map; abbrev; pref; tab cont; text; locality list; 3 blank p.

Vol 2: viii, 675, [1 blank], xiii, [3 blank]p; 63 fig. Paper now only semi-glossy, very pale tan tint.

Cont: same, but localities in Roman numeraled section.

Vol 3: [12], 714, xiii, [3 blank]p; 12 fig; dk green cloth-type paper over bds. 24.3 x 15 cm(9 1/2 x 5 7/8 in). Cut. Paper like above.

Cont: same, localities in Roman numeraled section,

The minerals are described and occurrences given, all in excellent detail, with localities and latitude/longitude coordinates listed by political division at end of volumes. Presented in alphabetical order, vol 1 actinolite-chlorite, vol 2 chloritoid-jasper, vol 3 kamacite-zoisite. The basic reference on the minerals of Australia, including gemstones as beryl and emerald, quartz varieties, chrysoprase, diamond, and others.

6081. -----1933, reprinted Limited edition, facsimile, in 3 vols, published by Hesperian Press, P.O.Box 317, Victoria Park 6100, Western Australia. AUS $105.00 + $10.00 seamail. Not seen.

6082. SIMPSON, R R Notes on a visit to the Burma ruby mines. *Trans Mining and Geological and Metallurgical Institute of India*, Calcutta, 17, pt 1, 1922, 42-58. Not seen.

6083. SINEGUB, E S Dragotsennye, poludragotsennye i podelochnye kamni. *Nemetallicheskie Iskopaemye SSSR*, glavnye redaktor Akad.A.E.Fersman, tom 5, gneiszhemchug, otvetstvennye redaktor toma B.M.Kupletskii, Izdatelstvo Akademii Nauk SSSR, Moskva, 1941, Leningrad. P 404-527, 10 fig(6 maps, 1 fold), 9 tab.

Defines gemstones, give foreign-language synonyms, classification, properties, genesis, type deposits, foreign deposits(416-28), USSR deposits(428- 51), prospecting, exploitation, evaluation, cutting, imitations, falsifications, synthesis, identification methods, foreign industry in gemstones, industry in USSR, dictionary of gem names(477-85), tabular view of gemstones(486-519), biblio(520-7, several 100's in Russ & other languages. Chiefly valuable for its USSR localities and the dictionary. In this same vol: B Ya Merenkov, Zhadeit(jadeite), 545-5, and E V Tsinzerling, Zhemchug (pearl), 557-72, this last being separately described under its author.

SINGH, H N, see MATHUR, S M, 1962

6084. SINGLETON, ESTHER Precious | Gems | By Esther Singleton | Author. Foregoing on wrap of *The Mentor*, Ser No 124, vol 4, no 24, Feb 1, 1917, of The Mentor Library, publ by The Mentor Association, New York. Centerstapled: 11, [1]p, with 6 photo pls, each with descriptions on reverses; these plates are loose as issued with text pamphlet in standard Mentor folder. P size: 25 x 17.4 cm(9 7/8 x 6 7/8 in). Popular work, emphasizing curious lore, famous gems, and personalities connected with same. Commonly found incomplete.

SINKANKAS, JOHN(1915-), originally SINKAUSKAS, JONAS

USA naval officer, writer; b Paterson, NJ of Lithuanian immigrant parents; BS Paterson State Tchrs Coll 1936; ent US Navy 1936, grad US Naval Air Station, Pensacola, FL Flight School as Naval Aviator No 5390, 1937; many fleet, shore duties, retired as Captain, US Navy in 1961(to reside in San Diego, CA). Active mineral collector in Paterson, NJ area from age 7, with encouragement & guidance Dr James Morton, Curator, Paterson Mus, resuming interest in earth sciences with self-instruction in lapidary work ca 1946; first earth science-related article publ *R & M*, 1948. Briefly edit *Lap J* in 1961, but resigning to devote time to writing and work as Research Mineralogist, Scripps Inst Oceanography, La Jolla, CA. Obtained certified gemologist certificate from Gemological Inst of America and mbr American Gem Society 1952; elected Fellow, Mineralogical Soc Amer 1967; Assoc Editor *G & G* magazine; PhD(hon) William Paterson Coll, Wayne, NJ 1982. New mineral, sinkankasite, named in his honor(*Amer Min*, 69, 3/4, 1984, 380). Biogr

notes D Leicht, *Min Rec*, 2, 3, 1971, 103-4, portr; E Lewis, *Rock & Gem*, 3, 1, 1973, 10-3, portrs; R W Jones, ibid, 6, 1, 1976, 41-7, 80-1, portrs; R S Mitchell, R & M, 61, 1, 1986, 28-31, portr, partial bibliogr. Author of books described below, and over 125 articles.

6085. -----1955

Gem Cutting | A Lapidary's Manual | [rule] | John Sinkankas | [logo] | D.Van Nostrand Company, Inc. | Princeton, New Jersey | Toronto London | New York [1955]

8°: x, 413, p; tip-in col front pl; 94 fig(photos & line drawings). Black cloth, red ellipse on spine with gold title. Map endp. 22.8 x 15.5 cm(9 x 6 in). Cut. $8.95. LC 55-10916. JSL.

Cont: front; tp; publ data; dedic; pref; tab cont; 16 chs; 7 appends; index; blank p.

A comprehensive textbook for the amateur lapidary furnishing advice on how to get started, followed by chapters on specific lapidary operations of sawing, grinding & lapping, sanding, polishing, other cutting processes and equipment, money-saving shortcuts and equipment manufacture, followed by chapters on how to proceed in cutting and polishing cabochons and faceted gems. A chapter discusses the nature of gemstones while another provides descriptions and treatments of a large number of gemstones, the largest such number to date, based on experiments performed upon many exotic materials kindly provided by Dr William F Foshag of the US National Museum Washington, D C, who also gave encouragement and support. Another chapter gives advice on collecting gemstones while the final chapter gathers together miscellaneous information. Appendices: mechanical speed tables, wgts & measures, mineral & gem society lists, museum & schools with important mineral & gem collections, US state geological offices, magazines & books, and dealers & suppliers. This is the first amateur lapidary handbook to provide detailed descriptions of lapidary properties of many rare and unusual gemstones as well as numerous innovations in gem cutting and its associated equipment and accessories. Reviews: *G & G*, 8, 8, 1955, 252-3; *J Gemm*, 5, 5, 1956, 272; *Lap J*, 9, 4, 1955, 366-7; *The Gemm*, 25, 296, 1956, 45-6; *Austral Amateur Mineralogist*, 4, 3, 1958, 80; *Der Aufschluss*, 11, 4, 1960, 90.

6086. -----1962, 2nd edit

Second Edition | Gem | Cutting | A Lapidary's Manual | John Sinkankas | Captain, U.S.Navy(Ret.) | Certified Gemologist | American Gem Society | D.Van Nostrand Company, Inc. | Princeton, New Jersey | Toronto New York London [1962]

8°: [2 blank], xix, 297, [1 blank]p; col front pl tip-in; 191 fig (photos, line drawings). Bright blue cloth, gold title on cover & spine. Col dj, photos on front; previous reviews, resume, vita, author portr back cover 27.9 x 21.2 cm(11 x 8 3/8 in). Cut. $11.75. LC 78-120070 [sic]; ISBN 0-442-07611-8.

Cont: blank f; 1/2tp; other author bks; front; tp; publ data; dedic; prefs; ackn; tab cont; ill list; 19 chs; 4 appends; index; blank p.

Entirely rewritten, much new material added, with separate chapters, mostly new, now devoted to drilling, spheres & beads, tumbling, carving & engraving, and mosaic & inlay work. New species & varieties in an expanded chapter on treatment of specific gemstones. Lists of mineral & gem societies, museums, state geological offices, dealers & manufacturers omitted. Mostly new illustrations with others added to illustrate new chapters. By 1975, this edition had been reprinted seven times; the publisher was absorbed into the Litton Educational Publishing, Inc organization and then merged with another company to form Van Nostrand Reinhold Company, which name now appears in latest printing. Rev *Der Aufschluss*, 14, 8, 1963, 224; *J Gemm* 9, 2, 1963, 62-3; *G & G*, 11, 1, 1963, 30; *Gems*, 8, 6, 1976, 57.

6087. -----1975, paperback

Second Edition |...| Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [publ logo to left of last 2 lines; 1975]

Cementb: same pag, ill, etc. Thick, plasticized wrap, col photo polished chrysocolla agate slab & cabochons front cover, black title; reviews, resume, vita & photo caption back cover. 27.7 x 21.5 cm(10 7/8 x 8 1/2 in). Cut. $7.95. LC 75-20851[sic]; ISBN 0-442-27623-0.

6088. -----1984, 3rd edit

Third Edition | Gem | Cutting | A Lapidary's Manual [underlined] | John Sinkankas | Captain, U.S.Navy (Ret); Ph.D. | Graduate Gemologist, Gemological Institute of America | Fellow, Mineralogical Society of America | [logo] Van Nostrand Reinhold Company [New York, 1984]

16°: xvii, [1 blank], 365, [1 blank]p; 211 fig(photos, drawings); 8 tab. Bright red cloth-like paper over bds; metallic blue spine title. White dj, col photo & col lett on cover; flap resume, vita, other bks of publ. 27.5 x 21.4 cm(10 3/4 x 8 3/8 in). Cut. $46.95. LC 83-16763; ISBN 0-442-27630-3. JSL,

Cont: 1/2tp; tp; publ data; dedic; tab cont; ackn; prefs; ill list; 19 chs; 4 appends(Append 4, biblio, 5 journ, 28 general gemology, 30 lapidary, 8 misc bks); blank p.

Major changes: new ill in many chs; much added information on diamond and its uses, diamond tools, etc; expanded & revised ch on gemstones and cutting advice on same(Ch 19); also more information on materials and techniques, esp for carving(Ch 17). An important change: addition of references to bks & journ articles throughout text, either appended to chs, or to sections within chs, or in Ch 19, descriptions of gem materials. Biblio completely rev. Rev R M Kemp, *R & M*, 60, 5, 1985, 247; W E Wilson, *Min Rec*, 16, 2, 1985, 160; W R C Shedenhelm, *Rock & Gem*, 15, 2, 1985, 68-9; *G & G*, 21, 4, 1985, 250.

6088A. -----, Russ transl

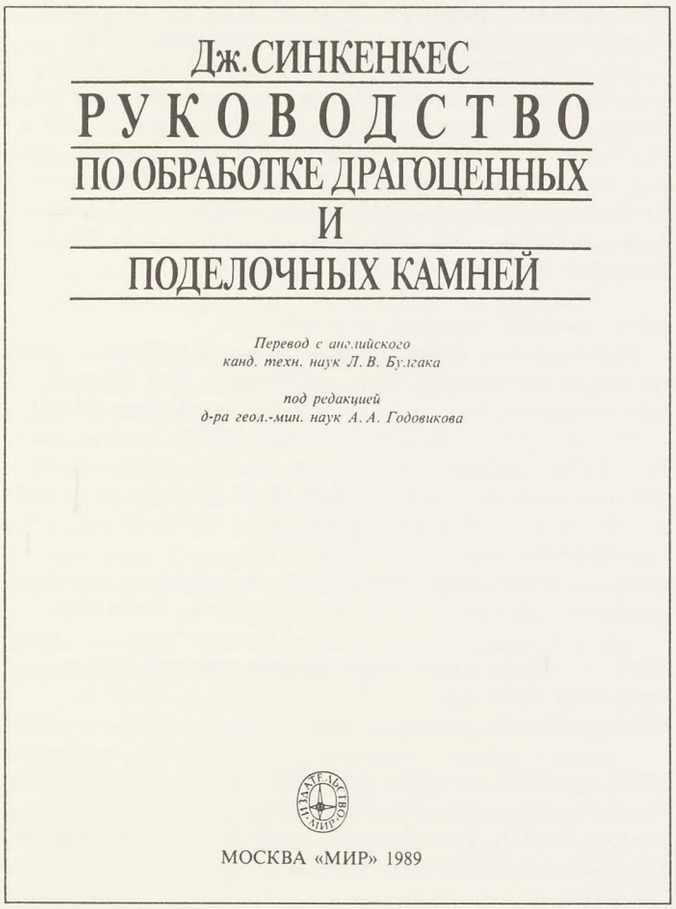
Dzh. Sinkenkes | [rule] | Rukovodstvo | [rule] | Po Obrabotke Dragotsennykh | [rule] | I | [rule] | Podelochnykh Kamney | [rule] | Perevod s angliyskogo | kand. mekhn. nauk L.V. Bulgaka | pod redaktsyey | d-ra geol.-min. nauk A.A. Godovikova | [publ logo] | Moskva "Mir" 1989

Facing title(v): "Third Edition | Gem | Cutting | A Lapidary's Manual | John Sinkankas | Captain, US Navy (Ret.); PhD | Graduate Gemologist, Gemological Institute of America | Fellow, Mineralogical Society of America | Van Nostrand Reinhold Company"

16°: 422, [2]p; 211 fig. Dk green leather-like cloth, silver & Green lett on cover & spine; brilliant-gem diagram on cover. 23.5 x 16.5 cm(9 1/4 x 6 1/2 in). Cut. IB No 6551; press-run 70,000; 4 r 50 kop. JSL.

Cont: 1/2tp; Engl tp; Russ tp; publ data; editor prefs(2); pref to third edit; introds(2); text; appends; index; tab cont; publ data.

Straightforward translation; entries in the descriptive portion arranged according to the Cyrillic alphabet.



6088A. Russian translation of Sinkankas' "Gem Cutting", 3rd edition

6089. -----1959

Gemstones | Of North America | By | John Sinkankas | Captain, U.S. Navy | Certified Gemologist, American Gem Society | Author of Gem Cutting - A Lapidary's Manual | [logo] | Colored Illustrations And Line Drawings | By The Author | D.Van Nostrand Company, Inc. | Princeton, New Jersey | Toronto London | New York [1959]

16°: xv, [1 blank], 675, [1 blank]p; 7 col ill on 4 tip-in pls; 169 fig(photos, drawings, maps). Tan cloth, dk blue panel & gold lett & logo on cover; similar panel spine. Col dj, resume, vita. 25.3 x 19 cm(10 x 7 1/2 in). $15.00. LC 59-13853. JSL.

Cont: tp; publ data; dedic; pref; ackn; tab cont; ill list; 7 chs; 4 append; geogr index; general index; blank p.

The first comprehensive treatment of the subject since the appearance of G F Kunz's *Gems and Precious Stones of North America*(1890, 2nd edit, 1892), which see. Treats properties of gemstones in general, followed by chapters on (1) principal gemstones, (2) important gemstones, (3) quartz family gemstones, (4) rare and unusual gemstones, (5) massive and decorative gemstones, and (6) organic gemstones. The material was systematically gathered from many types of literature, eg, the gemstone chapters published each year in the US Geological Survey's *Mineral Resources of the United States*, from near the turn of the century until the cessation of same in 1924, also from contemporary magazines serving the needs of amateur gem cutters and collectors, from numerous personal communications, and from field trips taken by the author to collecting sites throughout the United States. Entries identify gemstones, furnish essential properties, describe occurrences & materials found, with details on the deposits, their extent, past history of exploitation, and other notes. Localities are arranged to take in those at the north first, by country, province or state, county, etc. The appendices include the bibliography, p 607-19, 206 entries, a glossary, which includes a geological time chart, a tabular review of gemstone deposits by type, and notes on collecting and collections. The geographical index presents localities and gemstones according to country, province or state, county, etc. The color plates reproduce the original watercolor drawings of the author made specially for this work mostly from specimens in his collection. Rev *G & G*, 9, 11, 1959, 347; A E Alexander, *The Gemm*, 29, 342, 1960, 17-8; *J Gemm*, 7, 5, 1960, 197-8; W Fischer, *Der Aufschluss*, 11, 12, 1960, 347-8.

6090. -----1972, same, a smaller issue

Gemstones |...| By The Author | [logo] Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [1959]

Cementb, reproduced from original letterpress by offset; col pls now placed together at p 110-1; pale gray cloth, red lett spine, col dj. 23.8 x 16.5 cm(9 3/8 x 6 1/2 in). Cut. $19.50. 9th printing.

6091. -----1976, same, reprinted as Vol I, along with Vol II(see below)

Gemstones Of North America | In Two Volumes | Volume I | John Sinkankas | [logo] Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne

Cementb: [2], xv, 675, [3 blank]p; col pls on 4 glossy f inserted at p 110-1; new photo substituted for Fig 55, p 191, with new caption; almost all illustrations reproduced anew from originals to increase quality. Dk green clnth, gold spine title; col dj, resume, biogr., other bks of author. 23,5 x 16.4 cm(9 1/4 x 6 1/2 in). Cut. $27.50, LC 59-13853; ISBN 0-442-07613-4. JSL.

Cont: ser tp; tp; publ data & dedic; prefs; ackn; tab cont; ill list; text; appends, etc, as before.

6092. -----1976, Vol II

Gemstones | of | North America | In Two Volumes | Volume II | John Sinkankas | [logo] Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [New York, 1976]

Note: upon completion of this volume, the author and the publisher decided to reprint the first volume, originally published in 1959, along with the new volume, in order to form a uniform two-volume work.

16°: xvi, 494, [2 blank]p; front pen & ink drawing, 16 col photos on 4 glossy f bound-in between front matter & text but not includ in pag; 110 fig(photos, crystal drawings, sketch maps). Note: photos on p 365 and 368 inadvertently exchanged resulting in erroneous captions. Dk red cloth, gold spine title; col dj, resume, vita, other author bks. 23.5 x 16.5 cm (9 1/4 x 6 1/2 in). Cut. $30.00. LC 59-13853; ISBN 0-442-27627-3. Both vols out of print as of 1986-7.

Cont: ser tp; front; tp; publ data; dedic; pref; ackn; tab cont; ill list; col pls list; col pl sect; 6 chs; 2 append; geogr & locality index; general index; blank f.

Modeled after the original volume, this book contains virtually all new information gathered since 1959 on new developments, new deposits, or more work expended upon deposits previously reported. Several gemstones new to North America are included for the first time, also much new information on the greatly enlarged nephrite jade industry in Canada, scientific discoveries concerning the ambers of the Arctic regions and Mexico, and insertion of an enormously expanded bibliography, p 374-462, containing 2661 entries, and the largest bibliography ever assembled on North American gemstones. It is preceded by "A brief history of North American gemological literature," p 360-73. Rev C M Gramaccioli, *La Gemmologia*, Milano, 2, 3/4, 1976, 5O; C Rogers, *Gems*, 9, 2, 1977, 31, and others.

6093. -----1961

Gemstones And Minerals | How and Where to Find Them | John Sinkankas | Captain, U.S.Navy | Certified Gemologist, American Gem Society | Author of Gem Cutting - A Lapidary's Manual | Gemstones of North America | [logo] | Line Drawings And Diagrams By The Author | D.Van Nostrand Company, Inc. | Princeton, New Jersey | Toronto London | New York [1961]

8°: xvi, 387, [5 blank]p; 133 fig(line drawings, maps, photos). Green cloth, dk blue panel on cover with gold title, logo; gold title on blue spine panel. Green & white dj, col photo; resume, vita, other publ bks. 22.8 x 15.3 cm(9 x 6 in). Cut. $8.95. LC not stated(LC 61-4196).

Cont: tp; publ data; dedic; pref; ackn; tab cont; ill list; 9 chs; 5 append; index; 5 blank p.

Practical prospecting aimed more at the collector of minerals and gemstones than at the seeker of precious metals or other ores. Discusses prospecting trip preparations, sources of information on promising areas, how to use maps, making notes & taking samples, types of tools and how they are to be used along with instructions for sharpening & tempering, use of other devices as screens, pans, etc, the properties of explosives and how they are used, and other information based on the author's own collecting activities of many years. This material is followed by descriptions of rock classes, how recognized in the field either at long range or at hand, and followed by a chapter on the formation of mineral deposits and another on the methods by which the collector examines, attacks, and excavates deposits of all types, especially those containing crystal-lined cavities. The last three chapters discuss specimen preparation, including cleaning and trimming, storage & exhibit, and marketing of surplus material. Appendices: a list of minerals and solubilities in acids, minerals requiring protection against various agencies, useful addresses, reference libraries, and a list of suggested readings, p 370-77, 116 entries. Stresses the importance of confining searches to those rock types which are known hosts of specific mineral deposits and how the external signs of favorable mineralization are recognized. Reprinted 1965, minor corrections, and several times later; one reprint with white dj instead of green & white. Rev *J Gemm*, 8, 4, 1961, 160; *G & G*, 10, 9, 1962, 286-7; W Fischer, *Der Aufschluss*, 13, 7, 1962, 182; *The Gemm*, 30, 362, 1961, 171-2.

6094. -----1970, rev edit, new title

Prospecting for | Gemstones and Minerals | (Formerly titled Gemstones and Minerals: How and Where to Find Them) | John Sinkankas | [logo] Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [1970]

16°: xviii, 397, [1 blank]p; 133 fig, Pale tan cloth, brown spine title. Brown-yellow dj, black cover design with black lett; resume, vita, author portr; reviews; other bks of author. 22.8 x 15.1 cm(9 x 6 in). Cut. Also issued in soft cover, cementb, same pag, etc, 22.8 x 14.8 cm(9 x 5 7/8 in). Cut. $10.95 hardcover, $4.95 soft Cover. LC 74-83659; ISBN 0-442-07619-3 hardcover, 0-442-27620-6, soft cover, cont same. Rev *G & G*, 13, 7, 1970, 235-6; C Rogers, *Gems*, 8, 1, 1976, 33.

6095. -----1988, reprinted, new title

Field Collecting | Gemstones and Minerals | (Formerly titled Gemstones and Minerals: How and Where to Find Them) | John Sinkankas | Geoscience Press | Prescott, Arizona [1988]

Cementb: p [i-ii] blank + p [iii]-xviii, 397, [1 blank]p; same ill. Col plasticized wrap, banded agate on cover, other surfaces blue with white lett. 22.9 x 14.9 cm(9 x 5 7/8 in). Cut. $19.95. LC 74-83659; ISBN 0-945005-00-8. ON CIRC SHELF. NOT IN SINKANKAS. LABELLED 1970b.

6096. -----1962 Kunz travels Russia - an adventure in seeking gemstones. *Lap J* 16, 1, 1962, 82-93, 6 photos, sketch map.

6097. -----1963 Color changes in gemstones and how to bring them about. *Lap J* 17, 3, 1963, 342-8; 4, 472-7; 5, 532-5; 6, 616-23, passim.

6098. -----1963 Prehnite, apophyllite, and other species from the El Fenomino mine. *The Mineralogist*, 31, 6, 1963, 12-6, drawing, 5 ref. Includes garnet & axinite from scheelite mine in Baja California, Mexico.

6099. -----1964 Gemstones and minerals of Baja California: an annotated directory. Lap J, 18, 1, 1964, 48-63, passim, 2 maps, 34 ref.

6100. -----1968

Van Nostrand's | Standard Catalog Of Gems | [orn] | John Sinkankas | University of California | Certified Gemologist · American Gem Society | D.Van Nostrand Company, Inc. | Princeton, New Jersey | Toronto London Melbourne [1968]

8°: xiii, 286, [4 blank]p; 50 fig(photos, line drawings), many tabs. Bright red cloth, gold spine title; col dj, photo of cut gems, black panel, white title; resume, vita. 21.2 x 13.9 cm(8 3/8 x 5 1/2 in), Cut. $7.95. LC 68-19369. Also in paper, sewn, dj used as wrap; 21.2 a 14 cm(8 3/8 x 5 1/2 in). Cut. $5.95. Resume inside front cover; vita inside back cover.

Cont: 1/2tp; other author bks; tp; publ data; dedic; pref; ackn; identif & exam notice; tab cont; 7 chs; biblio(274-6, 35 entries); other bks of author; index; 4 blank p.

For many years this was the only substantial guide for the quality evaluation and pricing of rough & cut gemstones, including organics as pearls, amber, coral, etc, as well as engraved gems, carvings, and other ornamental objects made from gemstone materials. Includes synthetics. The factors influencing esteem of gems are explained in the introduction, followed by a description of the modern system of supply and marketing, price trends, factors affecting the usefulness & value of rough materials, special precautions that must be followed in orienting & cutting rough that displays optical or other effects, and a catalog

of values of rough gemstones. Similar preliminary remarks are given for cut gems and other manufactured objects, also pearls, and with prices. Rev *G & G*, 12, 11. 1968, 354-5; B W Anderson, *J Gemm*, 11, 4, 1968, 130-3, "this is a very important book: much more so than the title might suggest;" P B Lapworth, *Austral Gemm* 10, 6, 1969, 25-6.

6101. -----1975, 5th reprint, with price adjustment guide. Former dedication deleted and price adjustment guide substituted. Slightly larger: 22.9 x 14.7 cm(9 x 5 3/4 in). Cut. $4.95. LC 63-19369; ISBN 0-442-27621-4; new vita included.

6102. -----1988, reprinted, with new title

Sinkankas' | Standard Catalog | Of Gem Values | John Sinkankas | Certified Gemologist · American Gem Society | Geoscience Press | Prescott, Arizona [1988]

Cementb: p [i-ii] blank + p [iii]-xiii, [1 blank], 286, [4 blank]p. Similar cover with new titles. 22.8 x 14.9 cm(9 x 5 7/8 in). Cut. $16.95. LC 68-19369; ISBN 0-945005-02-4.

Cont: blank f; tp; publ data; publ note; pref; ackn; ident & exam notice; tab cont; 7 chs; biblio; blank f; index; 2 blank f.

6103. -----1968 Testing Dupont synthetic diamond in lapidary work. *Lap J*, 21, 12, 1450-7; 22, 2, 346-54, ill.

6104. -----1968 Classic mineral occurrences: I. Geology and mineralogy of the Rutherford pegmatites, Amelia, Virginia. *Amer Min*, 53, 3/4, 1968, 373-405, 8 fig. Also separate, in bright yellow, edgestapled wrap. Describes among other minerals the gemstones albite peristerite, amazonite, and the spessartine garnet of facet grade for which these deposits were well known.

6105. -----1971 Diamond in the lapidary arts. *Industrial Diamond Review*, London, Feb 1971, 49-56, 7 fig, 26 ref, Reviews early use of diamond by professional lapidaries and with emphasis on modern use by amateur lapidaries from about 1930 onward. Describes types of powders and grits, uses, and modern gem-cutting machinery.

6106. -----1972

Gemstone | & Mineral | Data Book | A Compilation Of Data, Recipes, Formulas | And Instructions For The Mineralogist, | Gemologist, Lapidary, Jeweler, | Craftsman And Collector | By John Sinkankas | Winchester Press [New York, 460 Park Avenue, 1972]

16°: [6], 346 p. Pale purple unfin cloth, black lett spine. Col striped dj, resume, vita, tab cont. 22.8 x 15.3 cm(9 x 6 in). Cut. $8.95. LC 77-188597; ISBN 0-87691-067-3. JSL.

Cont: tp; dedic & publ data; pref; tab cont; 12 parts.

Compiles (with references): weights & measures, conversions, formulas, chemicals, useful miscellaneous materials & formulations, lapidary operational speeds, abrasives & polishing agents, buffs & laps and applications, metals & jewelry data, coloration of gemstones & minerals, properties useful in identification of minerals & gemstones, chemical tests, cleaning mineral specimens, nomenclature, optical properties. Unique: the first work to assemble such varied data on so broad a basis for use by mineralogists, jewelers, gemologists, and lapidaries. Rev *G & G*, 14, 2, 1972, 58-9; *J Gemm*, 13, 6, 1973, 236; *Austral Gemm*, 11, 9, 1973, 23-4; *Zs Dt Gemm Ges*, 22, 1, 1973, 46-7; *Min Rec*, 4, 2, 1973, 82.

Due to an oversight, the above work was issued without an index, but this was rectified in a second printing of 1974, now in bright green cloth, with same dj, [6], 352, [2 blank]p, with index.

6107. -----1974, paperback, new publisher

Gemstone |...| By John Sinkankas | Collier Books | A Division of Macmillan Publishing Co., Inc. | New York | Collier Macmillan Publishers | London [1974]

Cementb: [6], 346 p. Paper wrap, col photo mineral specimens on cover; resume, vita. 23.4 x 15.1 cm(9 1/4 x 6 in). Cut. $4.95. LC 74-14786; ISBN 0-02-094100-5. Rev *La Gemmologia*, Milano, 2, 2, 1976, 30.

6108. -----1981, same, Van Nostrand Reinhold

Gemstone |...| John Sinkankas | [logo] Van Nostrand Reinhold Company | New York Cincinnati Toronto London Melbourne [1981]

Cementb: [11], [1 blank], 352, [4 blank]p. Black wrap, col photo on cover; resume, reviews, 22.8 x 14.8 cm(9 x 5 3/4 in). Cut. $6.95. LC 80- 52974; ISBN 0-442-24709-5. JSL.

Cont: 1/2tp; tp; publ data; dedic; pref; tab cont; text tp; text; index; 2 blank f. Rev F H Pough, *JCK*, May 1982, 118, 120: "a bargain and indispensible to the jeweler or the mineral collector or lapidary."

6109.-----1974 Beryl in Brazil. *Lap J*, 28, 2, 1974, 324-32; 3, 506-15; 4, 646- 55. With sketch maps; ca 30 ref. Deposits, large crystals, gem cutting materials.

6110. -----1981

Emerald | And Other Beryls | John Sinkankas | Captain, U.S.Navy(Ret.) | Fellow, Mineralogical Society Of America | Chilton Book Company Radnor, Pennsylvania [1981]

16°: [2 blank], xvi, 665, [5 blank]p; 196 text fig; 24 col ill(8 orig watercolor drawings by author) on 6 bound-in f not includ in pag; 88 tab. Pale gray cloth-type paper over bds, silver title on cover & spine; mottled, tan endp. Purplish-maroon dj with col ill on cover & white title; white spine title; back cover with partial list cont; flap resume & vita. 23.1 x 17.8 cm(9 1/8 x 7 in). Cut. $37.50. LC 81-66282; ISBN 0-8019-7114-4. Press run 6,000 copies; placed out of print in 1987.

At the request of the author, 50 copies, sewn, but untrimmed & unbound, were set aside for special binding in dk green, morocco leather, 4 raised bands, spine gilt & paneled, with red title label, gold floral orns on both covers, dk green endp, and with tip-in presentation leaf, numbered & signed by author. However, in transit, two copies were damaged and only 48 copies were so bound. 23.3 x 17.8 cm(9 1/8 x 7 in). Cut.

Cont: blank f; 1/2tp; tp; publ data; dedic; tab cont; pref; ackn; text in 3 parts; append; general & locality index; author index; 5 blank p.

The aim of the author was to provide a comprehensive history of beryl and its varieties throughout the span of history, embracing such aspects as its cultural history & lore, associated scientific knowledge and its development, the occurrences of beryl, its etymology, and the references that deal with beryl from the earliest mentions in ancient times to the present.

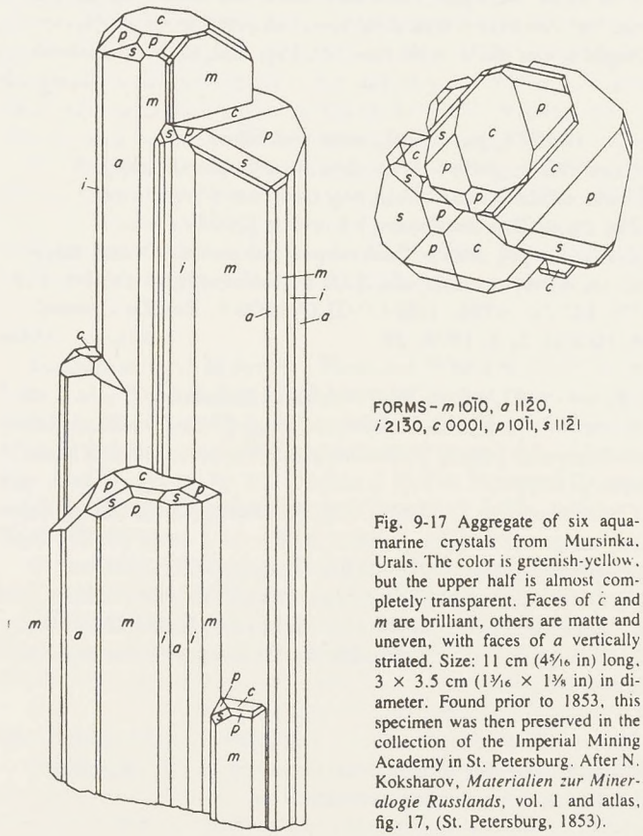


Fig. 9-17 Aggregate of six aquamarine crystals from Mursinka, Urals. The color is greenish-yellow, but the upper half is almost completely transparent. Faces of *c* and *m* are brilliant, others are matte and uneven, with faces of *a* vertically striated. Size: 11 cm (4⅜ in) long, 3 × 3.5 cm (1³⁄₁₆ × 1⅜ in) in diameter. Found prior to 1853, this specimen was then preserved in the collection of the Imperial Mining Academy in St. Petersburg. After N. Koksharov, *Materialien zur Mineralogie Russlands*, vol. 1 and atlas, fig. 17, (St. Petersburg, 1853).

6110. One of Sinkankas' crystal drawings from his "Emerald and Other Beryls"

Accordingly, the first part of four chapters treats the cultural history and the slow accumulation of knowledge concerning this mineral, primarily known as a gemstone, from Egyptian dynastic times to the present, and commenting upon the roles played by beryl in the arts, medicine, religion, and lore. The second part of nine chapters gives the natural history, its mineralogy, cutting, and the types of deposits in which beryl forms. The last part, consisting of Ch 14 alone, 357-609, describes occurrences & deposits, mining, commerce, and production of ore and gem beryl in 70 countries, arranged alphabetically, from Afghanistan to Zimbabwe. These sections are illustrated with appropriate photos, drawings, sketch maps, and crystal drawings, as deemed useful. Remarks are made on exceptional specimens, gem crystals, or crystals of great size. An appendix gives the complex nomenclature of beryl which has developed since pre-Christian times and includes at least 740 terms, to which 66 references apply. In general, references are appended to chapters, and altogether it is estimated that text references number 797, with 1273 references in the localities chapter. There are, however, some duplications. The illustrations are diverse, some reproducing titlepages of older books, others are photographs of specimens, jewels, cut gems, crystals, mine scenes, and the like, while many of the line drawings are sketch maps, deposit cross-sections, and crystal drawings, all of them prepared specially for this work by the author. Included are pen & ink drawings of jewels as well as the watercolor drawings of rough beryl specimens made by the author for this work. There is no other work extant that even begins to include the amount and variety of information on beryl and its varieties that is to be found here. It is not likely that the amount of research that resulted in its publication will be undertaken to create a comparable work on this species. Rev P C Keller, *G & G*, 17, 1981, 242; S Frazier, *Precious Gem Investor Mag*, Jn/Feb 1982, 36-7; W Lieber, *Der Aufschluss*, 33, 1982, 128; F H Pough, *JCK*, Jul 1982, 246, "scholarly... a mineralogist will find it the most significant book of several decades and a masterpiece;" E A Jobbins, *J Gemm*, 18, 3, 1982, 252-3.

6111.-----1982 Gemstones of North America: past, present and future. *Internat Gemological Symp Proc, 1982*, D.M.Eash, edit, Gemological Institute of America, Santa Monica, CA, 1982, p 407-51, 5 maps. Historical review of gem mining by native aborigines and early settlers, present-day activity, potentials for further discovcries; geological & locality maps.

6112.-----1986, with Peter G Read, edit

Butterworths Gem Books | Beryl | John Sinkankas |...[2 lines of honors] ...| Edited by | Peter G.Read | CEng, MIEE, MIERE, FGA | Butterworths | London Boston Durban Singapore Sydney Toronto Wellington [1986]

16°: xiii, [1] blank], 225, [1 blank]p; 67 text fig; 23 col ill on 4 bound-in glossy f not includ in pag; ca 500 ref, may tabs. Glossy white paper over bds, pale gray & green lett & green photo on cover; back cover 23.3 x 16.4 cm(9 1/8 x 6 1/2 in). LC 85-16637; ISBN 0-408-01543-8, JSL.

Cont: 1/2tp; other ser bks; tp; publ data; pref; ackn; tab cont; properties summ; 11 chs; append(nomenclature & 66 refs); index; blank p.

Selection and editing of portions of Sinkankas' *Emerald and Other Beryls*, to fit within the Butterworth Gem Books series format. Much of the cultural material is retained, also substantial parts of chapters dealing with properties that were considered most useful to general readers and gemologists; much of the material in chapters on crystallography and localities omitted.

6113. SINOR, K P

The Diamond Mines | Of | Panna State in Central India | By | K.P.Sinor | M.A., B.Sc.(Bombay), A.R.C.S., A.R.S.M., D.I.C., F.G.S.(London), | Mining Geologist. | Formerly State Geologist, Bhavnagar and Rewa States; Agent, Mahakali | Colliery, Chanda, C.P., and Mining Engineer, Panna State. | [double rule] | Published by order of | the Panna Durbar | [double rule] | Bombay | The Times Of India Press | 1930

8°: x, 189, [1 blank], [1], [1 blank]p; Pls XVII-XXX, part-col fold map of Panna mines at end; 45 fig on 31 pls. Bright blue cloth, gold title on cover; gold title & rules on spine. 27.3 x 18.8 cm(10 3/4 x 7 3/8 in). Cut. USGS Kunz Coll.

Cont: tp; print data; pref; tab cont; ill list; 16 chs; 7 appends (biblio Append 7, p 185-6, 18 entries); blank p; pls title; pls.

Thorough description of the ancient diamond mines of Panna State: regional geology, local geologies, occurrences of diamonds, nature of the diamondiferous conglomerate, alluvial deposits, mining methods, treatment of ore, descriptions of mine groups, mineralogy of diamonds, including the crystals,

crystallography, properties, shapes, weights, and with remarks on diamond cutting in Panna. Sinor also assesses the conglomerate deposits, their extents, and with suggestions as to improvements in mining and the economics of the mining industry. There are numerous historically important photographs of mines, mining activity, and others, all of which contribute to the value of this work.

6114. SIRIÈS, LOUIS(fl late 17th c, early 18th c)

Catalogue | Des Pierres Gravées | Par | Louis Siriès | Orfévre | Du Roi De France | Présentement Directeur Des Ouvrages | En Pierre Dure De La Galerie | De S.M.Imperiale | A Florence. | [woodcut orn] | A Florence MDCCLVII. | Chez André Bonducci. | [rule] | Avec Approbation Des Supérieurs. [title in red & black, 1757]

4°: 48 p; A-F^4; 6 engrav fold pls bound-in at end; ch orn, init. 21.4 x 16,8 cm(8 1/2 x 6 5/8 in). Cut. USGS Kunz Coll, GS 33-308.

Cont: tp; pref; catalog; pls.

Brief descriptions of engraved gems in six "ecrins," or cabinets, totaling 168 gems; the pls are merely actual-size blank outlines which give only the shape and dimensions of the gems.

6115. SITWELL, H D W

The | Crown Jewels | And Other Regalia | In The Tower Of London | By | Major-General H.D.W.Sitwell | C.B., M.C. | Keeper Of The Jewel House | Edited By a Clarence Winchester | Editor Of 'The Royal Philatelic Collection' | Published By | The Viscount Kemsley | at | The Dropmore Press Ltd London England [title in pale purple & black; 1953]

4°: xii, 116 p; 8 bound-in col pls with printed tissues(one is front); 32 photos on 14 bound-in f placed together after p 104; 2 text fig; many tab. Purplish-blue cloth, gold crown on cover, gold lett spine. Pale blue endp with diaper pattern of roses, harps, etc in dk blue line. Pale gray dj, black lett with large col crown on cover; resume, other bks of publ. 34.5 x 25 cm (13 5/8 x 9 7/8 in). Cut. 5 guineas. JSL.

Cont: 1/2tp; front; tp; publ data; edit comment; pref; ill lists; 8 chs; catalog; monochrome pls tp; pls; biblio(p 105, 25 entries); append; index.

Spec bound edit: p [iv]: "This Specially Bound Edition | Numbered 1 To 99 | Is Signed By The Author | [star] | This copy is | Number... | [signature]" Red, creased morocco over spine, morocco fe bands(only the vertical central band of each board is covered with red cloth); gold crown on cover, 5 raised bands, gold lett spine. Similar endp but overprinted in red line. 34.9 x 25.2 cm(13 3/4 x 10 in). Aeg. Same dj. In plain red cloth-covered slipcase, tapered opening edges, protective spine extensions. JSL.

Beautifully designed, excellent materials, stoutly bound, and with fine illustrations. The history of the crown jewels, treating the beginning of the treasure, the many items that were once included and what became of them, the surviving items, and with much on the persons responsible for their safe-keeping(or destruction!), with complete descriptions, including the metals and the gemstones used in their construction. There is a table of keepers and their tenures. Following the catalog appear the photographic black & white plates, the brief and surprisingly uninformative bibliography, and an appendix which gives dimensions and weights of the regalia items. The color plates, obviously photographic to begin with, are wholly and skilfully retouched to reveal as much detail as possible, and in this respect are probably much better than had the originals been left alone. On the whole, this is perhaps the most satisfactory of the studies that have been made of the English crown jewels and regalia, although much information is to be found in Twining's several works on the same subject. The standard issue is not rare by any means, but the limited edition is much more difficult to find, while a cheaper reprint that appeared several years later is like the standard issue above, but may be identified by a second line added to p [iv] that reads "Copyright [black ink square blotting out the former word "By"] In England..."

SITWELL, S, see WARTSKI LTD

SJÖGREN, STEN ANDERS HJALMAR(1856-1922)

Swed geol, mineralogist; attended Stockholm Polytech School; mining eng degree from Lund U; instructor, then prof geol & mineralogy Upsala U; 1894 retired to private business. Biogr note, J F Kemp, Trans *AIME*, 68, 1923, 1165-7.

6116. -----1882 Om diamantfälten i Syd-Africa. *Geologiska Föreningens i Stockholm* Förhandlingar, 6, 1882, 10-27. Not seen.

6117. -----1921 Om konstgjorda ädelstenar. *Kungliga Svenska Vetenskapsakademiens Årsbok*, 1921, 288-313, 17 fig. On artificial gemstones: reviews literature on manufacture, chiefly corundum and spinel; describes distinctions from natural gemstones. *Min Abstr*, 6, 1921, 382.

SKARIS, K, see BELIKOV, B P, et al

SKERTCHLY, SYDNEY BARBER JOSIAH(1850-1926)

Brit geol; asst geologist Geol Survey Gt Brit & Wales 1869; geol for Khedive of Egypt 1870-1; later geol in Queensland, Australia. Obit *Quart J Geol Soc*, London, 1927, p lx.

6118.-----1908

Flavelle's Gem Series. No.1. | The Story | of the | Noble Opal. [2 vert rules to left] | By | Sydney B.J.Skertchly, | Late of H.M.Geological Surveys of England and Queensland; | Past President of the Royal Society and the Field | Naturalists' Club of Queensland, &c., &c. | [rule] | Published By | Flavelle, Roberts And Sankey, Ltd., | Lapidaries And Gem Merchants, | Brisbane, Queensland, Australia. | 1908.

8°: 114, [2]p. Olive green cloth (also bound in a green cloth streaked with paler green, or in pale blue cloth); gold cover & spine titles. 16.3 x 10.3 cm(6 3/8 x 4 in). Cut. JSL.

Cont: tp; dedic; 8 chs; ps; index; blank p; logo.

A very important book, apparently the first general study of opal to be published in Australia. Although it was preceded by C F V Jackson's equally important monograph, *Queensland Geol Survey Rpt* 177, 1902, which see, the latter confined itself to the geology & mineralogy of deposits in Queensland and did not delve extensively into the popular aspects of opal as was undertaken by Skertchly in his small but impressive work. He treats the nomenclatural problems of opal, varieties other than precious, eg, tabasheer, the cause of color play, here essentially repeating the hypothesis of Behrens, which see, the geology of the deposits, origin of opal, and the peculiar geological conditions in Australia where opal is found, opal as a gem, and the mystery & poetry of the precious opal. All of it is presented in

simple terms, yet neglecting no important fact, and indeed introducing considerable geological evidence gathered by Skertchly and by others on the problem of opal formation in Australia. While the title indicates this to be the first of a series of small gemstone monographs, I know of no others that reached print. Very scarce.

6119. SKINNER, BRIAN JOHN(1928-) Physical properties of end-members of the garnet group. *Amer Min*, 41, 5/6, 1956, 428-36, fig, 10 tabs. JSL. Much referred to paper; data include cell dimensions & volumes, densities, refractive indices, thermal expansion coefficients determined on end-members obtained by synthesis from pure components. In same journal, other important garnet papers are C H Stockwell, 12, 1927, 327-44; M Fleischer, 22, 1937, 751-9; W I Wright, 23, 1938, 436-49; H Winchell, 43, 1958, 595-600; see also W E Ford, *Amer J Sci*, 40, 1915, 33-49.

6120. SKINNER, H D & SIMMONS, D R The Maori hei-tiki. First publ 1940, reprinted 1942, 1946; not seen.

6121. -----1966, 2nd edit

The Maori Hei-Tiki | Second Edition | H.D.Skinner | Appendix by | D.R.Simmons | Otago Museum, Dunedin | 1966 [New Zealand]

Centerstapled: 30, [2 blank] p; 40 fig(46 photos). Stiff col wrap, with photos 4 hei-tikis each cover, explan for same inside covers. 23.7 x 17.6 cm(9 3/8 x 6 7/8 in). Cut. JSL.

Cont: inside cover captions; tp; publ data; fwd; text; append; biblio (p 29, 11 ref); cat nos of tikis in text; blank f; inside cover captions.

On the small humanoid pendant sculptures, the "hei-tiki," of the Maori, (New Zealand Polynesians), carved principally from New Zealand nephrite and used as amulets. Topics: history, types, curious lore, methods of carving, special types characteristic of regional tribal groups. The photographs illustrate numerous examples.

6122. SKWARRA, ELISABETH Bernstein, das ostpreussitsche Gold. "*Mutter Natur*," *Naturkundliche Lesehefte*, herausgegeben von Dr Otto Rabes, H 25, Langensalza: Julius Beltz, 1937, 44 p, 19 ill.

Written as a conversation between author and a student, and explaining the major points of interest concerning the amber of the Baltic region, ie, properties of amber, deposits, amber forest, recovery of raw amber, opencut workings at Palmnicken, inclusions, and trade from antiquity to the present. In reviewing this work in *Bernstein-Forschungen*, 4, 1939, p 80, K Andrée notes errors in geological profile along the Amber Coast and in the caption to the illustrations of amber drops" in the Königsberg Amber Collection.

SLARE, or SLEAR, FREDERICK(1647?-1727)

Brit physician, chemist; MD Oxford U 1680; fell Roy Coll Phys 1685; mbr Roy Soc London; made important discoveries in medicine. DNB.

6123. -----1715 Experiments and observations upon oriental and other bezoar-stones, which prove them to be of no use in physick. Gascoin's powder distinctly examined in its seven ingredients, censur'd and found imperfect. Dedicated to the Royal Society. To which is annex'd a vindication of sugars... London: for Tim Goodwin, 1715. 8°: [4], v, xviii, [3], 47, [10], 64, [2]p. Not seen; from Deighton, Bell, Cambridge Cat 235, May 1986, 227, & Cat 243, May 1988, 328. "The belief in the miraculous properties of bezoar stones - hair balls from animal gullets, sold for as much as £ 4 an ounce - persisted for nearly a century more." DNB: "Disproves the miraculous virtues then attributed to these animal calculi... Slare's experiments showed the essentially inert nature of bezoars which failed to react to a variety of reagents."

SLAVIK, FRANTIŠEK(1876-)

Bohemian mineralogist; PhD 1899; prof Karls U Prague. Pogg 6, 2468.

6124. -----1929 Drahomy Čských korunovačních klenotů. Vědy Přírodní, Prague, roc 11, 1929; Engl summ. JSL. Separate: 7 p, 3 photo pls.

On the precious stones in crown insignia of Bohemia, identifying various gems as rubies, spinels, sapphires, cordierites, and emeralds, and possibly zircon. Exams necessarily superficial because gems could not be unmounted.

6125.-----1942 [Notes on the jaspers and similar quartz substances from the foothills of the Giant Mountains]. *Věstník Královske Ceske Společnosti Nauk, Třída Matematicko-Přírodovědcká*, roc 1942(for 1941), no 16, 20 p, 10 pls. Not seen. In same journal: on jaspers of NE Bohemia, roc 1945, p 1-4, 8 pls. Materials are chalcedonies of Permian age occurring in amygdaloidal melaphyres, ie, carnelian, chert, jasper, agate, cachalong, moss agate, and other varieties.

SLAWSON, CHESTER BAKER(1898-1964)

USA mineralogist; BS U Mich 1919, AM 1920, & PhD 1925; major career in Dept Mineralogy, U Mich. Obit *Amer Min*, 50, 3/4, 1965, 551-8, portr.

6126. -----1950 Twinning in the diamond. *Amer Min*, 35, 3/4, 1950, 193-206, 15 fig, 2 tab. Twinning in diamond showed to be far more complex than generally assumed.

6127. SLAWSON, C B & KRAUS, EDWARD H Variations of hardness in the diamond. *Amer Min*, 24, 1939, 661-76, 28 fig. Important study that clearly establishes the directional hardness relationships in the diamond crystal; remarks on structure, bonding, growth & solution phenomena, use of diamond dust. The illustrations are excellent. JSL.

SLAWSON, C B, see KRAUS, E H & SLAWSON, C B, 1939; also KRAUS, E H, et al, 1942; also see CRANBROOK INSTITUTE OF SCIENCE

6128. SLEVOGT, JOHANN ADRIAN(1653-1726) De lapide bezoar. Jenae, 1698. Not seen. Author was prof anatomy & chirurgy, also botany, U of Jena, and from 1722, prof of chem. Pogg 2, 942.

6129. SLIVKO, M M

L'vovskoe Geologicheskoe Obshchestvo | Pri | L'vovskom Gosudarstvennom Universitete Im.Iv.Franko | [double rule] | M.M.Slivko | Issledovanie Turmalinov | Nekotorykh | Mestorozhdenii SSSR | Izdatelstvo | L'vovskogo Universiteta | 1955

Edgestapled: 124, [3]p; 47 fig(fig 36-47 on 2 glossy f). Tan wrap, title on cover. 24.2 x 17 cm(9 1/2 x 6 5/8 in). Cut. 750 copies. 5 r. JSL.

Examines tourmalines from Ural Mountains, Ukraine, and Borshchovochnoi (Nerchinsk) regions: chemical composition, x-ray diffraction peaks, optical properties, with many remarks on color zoning and color absorptions, also thermal-optical behavior, gas-liquid-solid inclusions, with the data being condensed in an appendix of 26 tables. The information on color and color zoning is highly important. Illustrations show color zoning patterns, absorption curves, and upon the glossy leaves, photographs of two- & three-phase inclusions.

6130. SLOAN, ED & SLOAN, BERT

Mineral | Gem Trails | By Ed & Bert Sloan | Illustrated First Edition | Copyright - 1965 - by Edward Sloan | All Rights Reserved Including The Right To | Reproduce This Book Or Parts Thereof In | Any Form

Back cover: "Distributed by EDSCO Gems & Minerals, 102 Main Street, Mineola, N.Y. 11501."

Centerstapled: [60]p; 50 sketch maps. Pale yellow print wrap, price & title on cover; sketch on back cover. 21.8 x 13.9 cm(8 1/2 x 5 1/2 in). Cut, $1.50. JSL. Localities in New York, New Jersey, Pennsylvania, Connecticut.

6131. -----1971, 2nd edit

Price $2.00 |...| by Ed & Bert Sloan | [rule] | Illustrated Second Edition | Copyright 1965, 1971 by Edward Sloan |...

Centerstapled: 68 p; 57 sketch maps; adverts inserted throughout text. Pink wrap, title & sketch on cover in dk red. Adds new materials & maps.

6132. -----1971, 3rd edit, Not seen.

6133. -----1975, 4th edit

Price $2.50 |...| Illustrated Fourth Edition | Copyright 1965, 1971, 1975 by Edward Sloan |...

Centerstapled: 68 p, 62 sketch maps, several adverts. Pink wrap, cover sketches. JSL. Adds new materials & maps.

6134. -----1976

Price $2.50 | Mineral | Gem Trails | Of New England | by Ed & Bert Sloan | Maine | Vermont | New Hampshire | Massachusetts | Rhode Island |

P [2]; "Copyright © 1976 by Edward Sloan." Back cover: a sketch of quartz crystals and " Distributed By EDSCO Box 684 Mineola, New York 11501."

Centerstapled: [56]p; 37 sketch maps. White wrap, blue title & sketches on covers 21.6 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. $2.50. JSL.

Offers similar material: where to go, how to get there, what to find.

6135. SLOMANN, VILHELM

Studier Fra Nationalmuseet. I. | Vilhelm Slomann | Bjaergkrystaller Af Giovanni | Bernardi Da Castelbolognese | En Kunst-Arkaeologisk Undersøgelse | Saelges Til Fordel For Nationalmuseumsfondet | København | Levin & Munksgaards Forlag | 1925

4°: [4], 40 p; 34 photos. Thick tan wrap, cover title in sepia ink. 31 x 21.8 cm(12 1/8 x 8 5/8 in). Uncut. JSL.

Carved rock crystal plaques, medallions, and other objects executed by artist-craftsman Giovanni Bernardi of Castelbolognese, Italy. The first section is a brief biography, with portrait, indicating that he did his most important work in the early years of the 16th century. While the photographs are of mediocre quality the objects themselves are of wondrous artistry.

6136. -----1946

Vilhelm Slomann | Guld Og Aedelstene | I Middelalderlig | Kunst | Saertryk af | Nationalmusei Årsbok | Stockholm 1944 [Uppsala: Almqvist & Wiksells Boktryckeri AB, 1946]

8°: [2 blank], [1], [1 blank], 123, [1 blank]p; first 2 f tip-ins; 76 ill(mainly photos). Thick, pale tan wrap, title on cover. 28.5 x 19.5 cm(11 1/4 x 7 3/4 in). Uncut. Thick glossy paper. JSL.

Cont: blank f; 1/2tp; tp; print data; dedic; pref; introd; 10 chs; Engl summ; notes; ill lists; blank p.

Discusses use of gold and gemstones in a large variety of ornamental objects made during the European Middle Ages, and draws the conclusion that genuine gemstones were so scarce that extensive use of glasses and other imitative materials was forced upon craftsmen and their patrons. Illustrations depict selected objects that were subjected to close scrutiny. Numerous references in notes section.

SMET, K DE, see DE SMET, K

SMILEY, C J, see LANGENHEIM, R L

6137. SMIRNOV, G I Mineralogy of Siberian kimberlites. Translated by Royer & Roger, Inc. *Internat Geol Rev*, 1, 12, 1960, 21-39, 12 fig, 22 tab. From "K mineralogii sibirskikh kimberlitov," *Trudy Yakutskogo Filiala AN USSR*, 4, 1959, 47-74. A large variety of minerals occurs in the diamondiferous kimberlites of Siberia: (1) minerals in the kimberlite itself, (2) xenolithic minerals, and (3) secondary minerals. Common primary species are ilmenite, pyrope, magnetite, Cr-diopside, almandine, olivine. 8 refs.

SMIRNOV, G I , see BOBRIEVICH, A P, et al, 1959, 1964

6138. SMIRNOV, S S [Le gîte de topazes rosées et dorées de Kotchkar dans l'Oural du Sud.] In Russ with Fr summ, from *Zapiski Vserossiskogo Mineralogicheskogo Obshchestva*, Moskva, ser 2, vol 54, 1925, 3-20, 3 fig. Not seen.

SMIRNOV, V I, see DONOVA, K V, et al

SMIT, ANTON, & CO, see ANTON SMIT & CO

SMIT, G, see SMITH, G F H, 1980

6139. SMIT, J A ROORDA Les mines de diamants de l'Afrique Australe. *Archives Neerlandaises des Sciences Exactes et Naturelles*, La Haye, 15, [nd, 1887?], 61-74.

On the broad structure, rocks & minerals in kimberlite pipes, citations from other observers, and conclusions, among the last

being that pipes are volcanic in origin, and that diamond formed from organic material subjected to high pressure/temperature.

SMIT, J K & SON, see J K SMITH & SON

SMITH, ALFRED H & CO, see ALFRED H SMITH & CO

SMITH, ARTHUR HAMILTON (1860-1941) & MURRAY, ALEXANDER STUART(1841-1904)

A H Smith, Engl archeol; educ Winchester Coll, Trinity Coll; staff Brit Mus 1886; participated in archeol expedits; wrote mus catalogs; ret 1925; some time dir Brit School in Rome; apptd CB 1926. A S Murray; Scot archeol; MA Edinb U, attend Berlin U 1865; LLD Glasgow 1891; to staff Brit Mus 1867, rising to Keeper, Dept Grk & Rom Antiqu 1886; widely traveled; author of many archeol works. DAB.

6140. -----1888

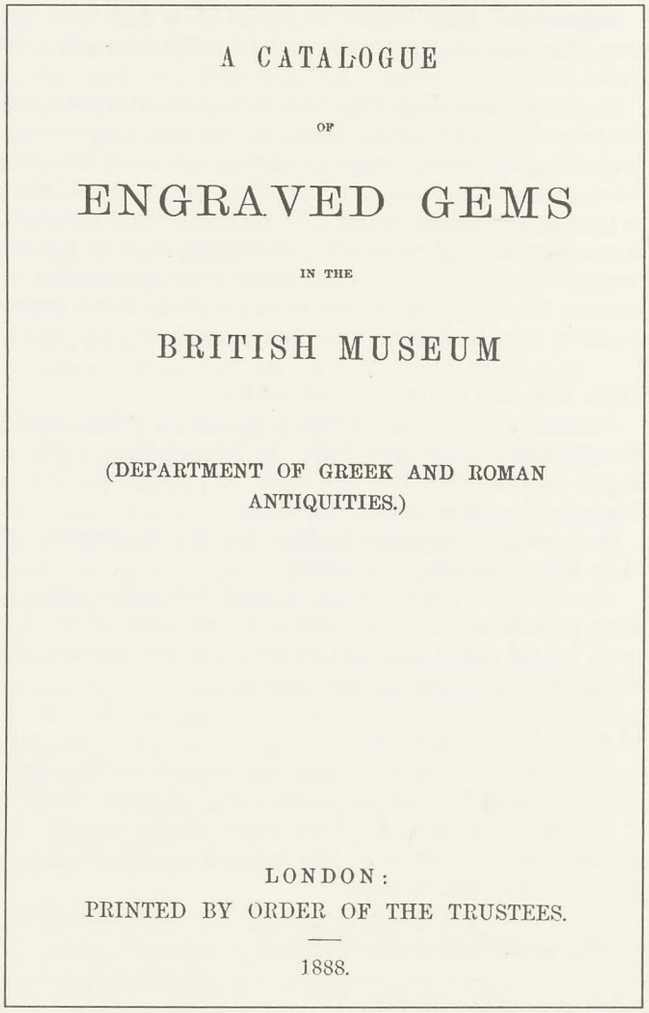
A Catalogue | Of | Engraved Gems | In The | British Museum | (Department Of Greek And Roman | Antiquities.) | London: | Printed By Order Of The Trustees. | [rule] | 1888.

Pref: "This catalogue... is by Mr.A.H.Smith... I Have revised it and written the Introduction... A.S.Murray."

8°: ix, [1 blank], 244 p + 9 bound-in photo pls of gems; photo front pl tip-in. Blackish-green cloth, blind ruled frame both covers; gold rules & title on spine. Pale yellow, dull-finish endp. 18.9 x 12.6 cm(7 1/2 x 5 in), Cut. LC 12-8554. JSL.

Cont: front; tp; print data; pref; note(biblio p v-ix, 44 entries); introd; cat; subj index; inscript index; pls.

The introduction, among other matters, describes the types of engraved gems represented in the collection. This is followed by the catalog which consists of brief descriptions, remarks on such inscriptions as may be present, etc. Modern gems purporting to be antique and signed by artists are described on p 222-5. Included is a good description of the famous Portland vase as well as other miscellaneous objects which are not classed among usual engraved gems. Altogether 2349 numbers, giving identity, material, size, provenance. Excellent plates, each showing ca 24 gems per plate. Goodland, 573.



A CATALOGUE

OF

ENGRAVED GEMS

IN THE

BRITISH MUSEUM

(DEPARTMENT OF GREEK AND ROMAN ANTIQUITIES.)

LONDON:
PRINTED BY ORDER OF THE TRUSTEES.

1888.

6140. Small but comprehensive explanation followed by descriptions of engraved gems in the British Museum, London; photo plates

SMITH, A H, see MURRAY, A S, et al

SMITH, C H, see NOTT, S C, 1936

6141. SMITH, CHARLES M A sketch of Flint Ridge, Licking County, Ohio. *Ann Rept Bd Regents Smithson Inst*, for 1884, 1885, p 851-73, 2 sketch maps, 10 fig. JSL. Genesis of this and similar chert deposits in limestones, local geology, descriptions of outcrops & pits, types of material, prehistoric manufacture of implements and weapons from the material by natives. The colorful material readily takes a fine polish and today is used for cabochons, etc.

6142. SMITH, CLAUDE H

Let's Hunt For | Herkimer | Diamonds | by Claude H.Smith | [orn] | Box 291 | Geneva, N.Y. [priv publ, 1950]

Centerstapled: 47 p; 15 photos, centerfold map of collecting areas. Pale gray wrap, title & decor on cover in blue. 15.7 x 10.8 cm(6 x 4 1/4 in). Cut. $1.00. JSL.

Locating outcrops of the quartz crystal-bearing sedimentary rocks in central New York State, source of the so-called "Herkimer diamonds," with advice on tools, digging, what basic rock looks like, the crystals, associated minerals. Many smaller crystals of elegant form and bright sparkle, have been used in necklaces & earrings.

6143. SMITH, DAMA MARGARET Petrified Forest National Monument, Arizona. [Holbrook, 1930.] Edgestapled oblong: 16 p, 9 photos. Tan, col wrap, title on cover.

Geological history, descriptions of Rainbow and Third forests, Second Forest, Agate Bridge, other sights. Includes House of Representatives, U.S.Congress, Memorial No 4, and subsequent Presidential Proclamation setting aside the monument, with other information. Early guide, now scarce.

6144. SMITH, EDWARD BRINTON & SCHROMM, APRIL

Edward Smith/April Schromm | Gemcutting | A Lapidary Handbook | [logo- A Spectrum Book] | Prentice-Hall, Inc., Englewood Cliffs, New Jersey 07632 [1980]

Cementb: viii, 184 p; 168 fig, 7 tab. Glossy col wrap, col photo of quartz group on cover; back cover resume. 23.5 x 17.3

cm(9 1/4 x 6 7/8 in). Also in hardcover; not seen. ISBN 0-13-347427-5; 0-13-3474l9-4(softcover). $6.95, softcover. JSL.

Cont: vitas; tp; publ data; dedic; tab cont; 11 chs; gloss; index.

Elementary teaching text; covers so many topics that none is adequately treated; much space wasted in first chapter on an uselessly long history of lapidary work, footnoted, and in the second chapter, on the origin of crustal rocks, footnoted, classes of rocks, mineralogy, crystallography, and other topics which are of little practical value to the beginning gem-cutter. There are factual errors, misspellings, slang expressions, and use of quasi-humorous cartoons of little instructional value. Rev *J Gemm*, 17, 5, 1981, 343.

6145. SMITH, FREDERICK H Pocket geologist and book of minerals. 1877. Not seen.

6146. -----1890, rev edit

Revised | Pocket Geologist, | And | Mineralogist | Or | Sixteen Chapters | On | Coals, Oils, Ores and Other Minerals, | For | Practical People. | [orn rule] |...[list of chs by Roman numeral & title, one line to each]...| [orn rule] | Frederick H.Smith, | Engineer and Geologist, | 227 E.German Street, Baltimore, Md. | 1890.

12°: 208, [6], [2 advert]p. Reddish-brown pebbled cloth, blind orn frames; back cover with gold title; spine blank. Back board contains an accordion-fold pocket & flap, lined with brown cloth, and meant to extend over the book and tuck under the front cover. 16.6 x 10.3 cm(6 1/2 x 4 in). $1.00. JSL. GS 15-781.

Cont: tp; advert by author; tab cont; 16 chs; index; advert.

P [2]: "This Pocket Book is a revision and combination of the writer's two former volumes - the "Pocket Geologist," of 1877, and "Rocks, Minerals And Stocks," of 1882, - with some omissions, alterations and additions to bring it up to date." See entry below.

Gems and precious stones treated in Ch X, p 142-62.

6147. -----1882

Rocks, Minerals | And | Stocks. | [rule] | By | Frederick H.Smith, | Consulting Engineer And Geologist. | [rule] |... [11 lines index of chs]...| [rule] | Published By | The Railway Review, | 182-184 Dearborn Street, | Chicago, Ill, | [rule] | 1882.

8°: vii, 234, [3 advert]p. Dk blue cloth, large orn black rules on cover, above & below gold title; similar stamping on spine; plain back cover. Bev edges. Dk gray, dull-finish endp. 18.3 x 12.6 cm(7 1/4 x 5 in).

Cont: blank f supplied; tp; publ data; introd; tabcont; 7 chs; index; advert. LC 13-1685.

A curious combination of three chapters on geology, five on minerals, and three on stocks and the stock market. Ch VIII is on precious stones, p 157-79, and merely compiles brief descriptions of major & minor gemstones which can scarcely be of value to the reader. One may speculate that the purpose of this work was more to draw attention to the author and his professional services than to instruct.

6148. -----1895

Smith's Hand-Book | [rule] Of [rule] | Valuable Minerals | What They Are! | What They Look Like! | Where To Look For Them! | [orn rule] | Chapters. |... [18 chs, as before, one to a line]...|Index. | [orn rule] | Frederick A. Smith, | Member American Institute Mining Engineers, | Member American Society Civil Engineers, | Associate American Institute Electrical Engineers, | Member Maryland Academy of Sciences, | Baltimore, Md. | 1895.

8°: 238, [2 advert]p. Reddish-brown, pebbled cloth; gold lett & blind frame on cover; blind frame back cover; spine blank. 16.9 x 11.5 cm(6 5/8 x 4 1/2 in). $1.00. JSL.

Cont; tp; advert by author; tab cont; 18 chs; index; advert.

P [2]: "This Hand-Book... is practically the fourth edition (enlarged and revised to date) of the writer's earlier volumes on the same subject... This 1835 edition... wastes no space on minerals of no marketable value; and there have been added some convenient tables of weights and measures..." Ch X, 142-64, is on gemstones, each briefly described, with properties, and notes on occurrences. As before, this information is of little value.

SMITH, GEORGE FREDRICK HERBERT(1872-1953)

Engl physicist, mineralogist, gemologist; educ Winchester Coll & New Coll, Oxford (first in math/physics); apptd Mineral Dept, Brit Mus(Nat Hist) 1897, served long, distinguished career, publ num papers; apptd asst secty in 1921, secty in 1931, succeeded L J Spencer as Keeper of Minerals 1935, ret 1937. Invented a new total-reflecting refractometer for gem testing; aided in design 3-circle goniometer which still bears his name, His major work, *Gemstones*, first publ 1912; in 1977 still in print(see below). Edited *The Quill* and *Natural History Magazine* for some years.Pres Gemmol Assoc Gt Brit 1945. CBE 1949. B W Anderson, *The Gemmol*. 22, 262, 1953, p 92-4; mem by R Webster, *G & G*, 7, 1953, 303-5.

6149. -----1907

[rule] The [rule] | Herbert Smith | Refractometer, | [rule] And Its Use, | [rule] | Particularly for the Discrimination | of Faceted Gem-Stones. | By | G.F.Herbert Smith, | M.A., D.Sc./(Oxon). | Assistant in the Mineral Department of the British Museum. | [orn role] | Price Two Shillings And Sixpence Net. | [orn rule] | London: | J.H.Steward, 406, Strand, and 457, West Strand, W.C. | [orn rule] | 1907. [title enclosed in double-rule frame]

Centersewn: 27, [1] p; price list pasted to inner flyleaf; 6 fig. Brown cloth,gilt cover title. 21.4 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: tp; rights note; pref; tab cont; 7 chs; price list.

Smith's total reflectometer provided for the first time a relatively inexpensive and reliable instrument for measuring refractive indices. The text explains the principle and parts, its function, methods of use, tests for cut gemstones, identification of gemstones whose index range is beyond that of the instrument, and a series of identification tables of many common gemstones as well as some rarities. The publisher is also the maker, and provides accessories as well, such appearing in the price list. Reprinted: cover title enclosed in blind-ruled frame; corrected scale of the refractometer(printed slip pasted over original scale on p 9); several corrections in text; price list printed on flyleaf.

6150. -----1908 Minerals, including gem-stones, at the Franco-British Exhibition. *Nature*, London, 78, 1908, 306-70. Not seen.

6151. -----1912

Gem-Stones | And Their Distinctive Characters | By | G.F.Herbert Smith | M.A., D.Sc. | Of The British Museum (Natural History) | With Many Diagrams And Thirty-Two Plates | Of Which Three Are In Colour | Methuen & Co. Ltd. | 36 Essex Street W.C. | London [1912]

8°: xiv, [1], [1 blank], 312 p + 31, [1]p cat of publ bks; 3 glossy col pls tip-in (one is front with tissue); 36 photos on 19 glossy tip-in f; 79 fig. Dull, greenish-blue cloth, cross-hatch grain finish; gold title in cover border frame on front; back cover blind border frame; gold title & rules on spine. 18.9 x 12.7 cm(7 1/2 x 5 in). Be untrimmed. 6s. JSL.

Cont: 1/2tp; front; tp; publ data; pref; tab cont; pls list; text tp; text in 2 parts; tabs; index; advert. GS 12-603.

The first edition of a work destined to become the most widely-used and respected treatise on gemology in any language. Other works of comparable quality, and sometimes, superior coverage, appeared afterwards but none achieved the wide circulation of the present work. Following well-established arrangement, Smith divided his subject matter into two parts, the first treating the scientific aspects of the study of gems, as crystallography, optical, physical and chemical properties, the means by which these are determined, and also the technical aspects of gemstones, that is, those aspects of primary importance to the trade, eg, carat weight, cutting, nomenclature, and synthetic & imitation gemstones. The second part is descriptive and considers gemstones from the animal as well as the mineral kingdoms. These are grouped according to relative importance, namely, gemstones truly precious, those that are deemed semi-precious, then those that are ornamental and those from organic sources. Appended here is a series of property tables, 9 in all, meant to aid in the identification of gemstones. Most text figures were prepared by H H Penton, who also prepared the three watercolor plates of specimens in the collections of the British Museum (Natural History). These are skillfully done and faithful in form and color to their originals. The photographic plates are generally of good to very good quality and depict subjects from illustration of optical principles to scenes at mines, in lapidary shops, etc. No bibliography is provided, a serious omission that was rectified later.

6152. -----1912, New York

Gem-Stones |...| London | Methuen & Co. Ltd. | New York: James Pott & Co. | 1912

Same contents but omits publ bk catalog. Blue, ribbed cloth, gold title, rule & cut gem on cover; gold title & rule on spine. 18.7 x 12.8 cm(7 3/8 x 5 1/8 in). Cut. $2.10. JSL. The New York first edition.

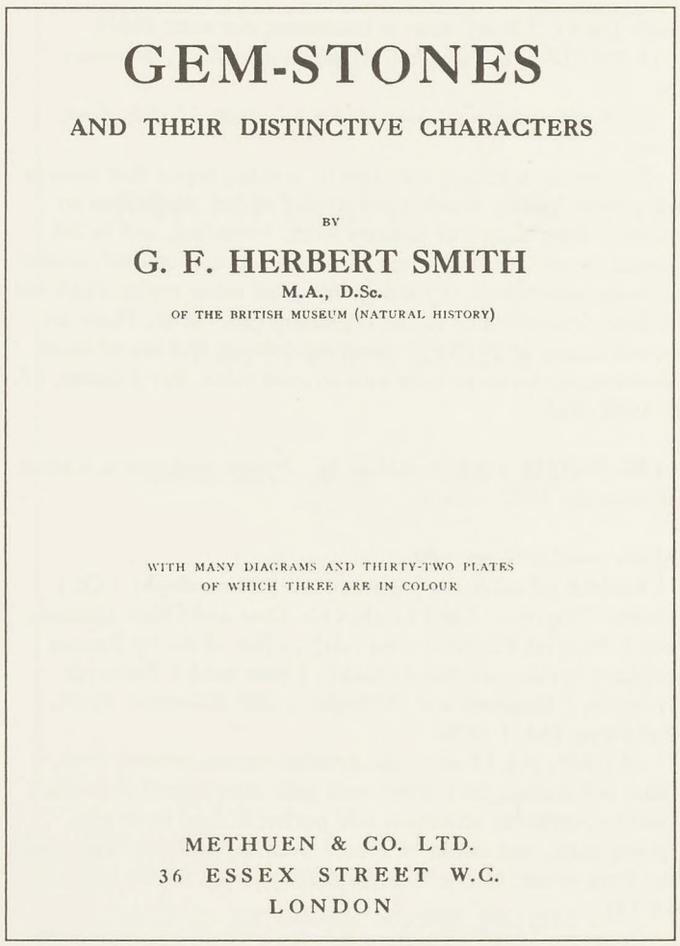
6153. -----1913, 2nd edit

Gem-Stones |...| Of Which Three Are In Colour | Second Edition | Methuen & Co. Ltd | 36 Essex Street W.C. | Londnn [1913]

Identical to London first, including the catalog of publ bks. Bluish-green cloth, title & border blind on cover; same spine title. 18.8 x 12.5 cm(7 3/8 x 4 7/8 in). Be untrimmed. Front plate tissue omitted. Preface slightly enlarged to accomodate a few words on this "edition" which actually is a reprint, with only a few misprints, etc, corrected, and several paragraphs slightly altered. Other publ bks now appear on reverse of 1/2tp.

6154. -----1919, 3rd edit

Gem-Stones |...| Third Edition |... [1919]



GEM-STONES

AND THEIR DISTINCTIVE CHARACTERS

BY

G. F. HERBERT SMITH

M.A., D.Sc.

OF THE BRITISH MUSEUM (NATURAL HISTORY)

WITH MANY DIAGRAMS AND THIRTY-TWO PLATES
OF WHICH THREE ARE IN COLOUR

METHUEN & CO. LTD.
36 ESSEX STREET W.C.
LONDON

6151. Titlepage to first edition of Smith's modest treatise which eventually passed into 14 editions

Reprints second edition; slightly thicker due to use of coarser paper; catalog of publ bks omitted. JSL.

6155. -----1923, 4th edit, rev

Gem-Stones |...| Fourth Edition, Revised |... [1923]

8°; xvi, 314, [2 blank]p + 8 p bks cat; similar cloth, etc; same ill; tissue omitted from front pl. 19 x 12.5 cm(7 1/2 x 4 7/8 in). Be untrimmed. Tan-orange dj, resume front cover. JSL. GS 23-268.

Cont: 1/2tp; other publ bks; front; tp; publ data; prefs; tab cont; pls lists; text; tabs; index; blank f.

Partially rewritten & reset, with notable revisions in chs 11, 17, and 40. Describes three new mineral gemstones.

6156. -----1923(?), 4th edit, rev, New York

Gem-Stones |...| Of Which Three Are In Colour | New York | Brentano's | Publishers [no date]

Identical, but publ bks on reverse of 1/2tp deleted; te stained deep pink. JSL.

6157. -----1926, 5th edit

Gem-Stones |...| Fifth Edition | [logo] |... [1926]

Same, but with publ logo on tp. JSL.

6158. -----1930, 6th edit

Gem-Stones |...| Sixth Edition |... [1930]

Again a reprinting of above.

6159. -----1935, 7th edit Not seen.

6160. -----1937, 8th edit Not seen. LC 37-12182.

6161. -----1940, 9th edit, rewritten

Gemstones | by | G.F.Herbert Smith | With 4 Colour Plates, 38 in Monotone | and many text illustrations | [logo] | Methuen & Co. Ltd. London | 36 Essex Street Strand W.C.2 [1940]

8°: [2 blank], xvii, [1 blank], 443, [1]p; 4 glossy tip-in col pls (one is front, no tissue); 75 photos on 38 glossy tip-in pls; 101 figs. Yellowish-tan cloth, gray spine title. 21.8 x 13.8 cm(8 1/2 x 5 1/2 in), Cut. 18 s. JSL. LC 41-11101.

Cont: blank f; 1/2tp; front; tp; publ data; pref; tab cont; pls list; blank p; 4 parts text; appends(biblio p 425-31, 209 entries); blank p; index; print data.

Thoroughly revised & rearranged, now little resembling the foregoing, and establishing a format to be followed in subsequent editions. The subject matter is now apportioned as follows: (1) physical characters of gemstones, (2) technology, (3) descriptions, and (4) identification. Several appendices include a Greek alphabet, birthstone lists, bibliography, but the previous property tables moved forward into the fourth part on identification procedures. In the first part, much new material is introduced on X-ray work, crystallography, and optical properties, while the second part provides considerable new material on the geographical distribution of gemstones and gemstone prices, with information on curious lore and famous gems. The descriptive part is brought up to date and new gemstones included. The last, on identification, is really a misnomer because it still consists of property tables useful in identification but does not spell out the necessary steps in identification procedure, such matters still discussed in the first part. The bibliography, the first good one of modern vintage lists works chronologically by author. The color plates are redrawn by Helen Wilson as near as possible in size to the originals. In his preface Smith carefully points out that this is fundamentally a new book, which it is. Rev *G & G*, 3, 8, 1940, 125; F C Phillips, *The Gemm*, 9, 107, 1940, 129.

6162. -----1949, 10th edit, rev

Gemstones | by | G.F.Herbert Smith | President Of The Gemmological Association Of Great Britain | With 4 Plates in Colour, and 40 in Monotone | and 145 Text Illustrations |... [1949]

16°: xix, [1 blank], 537, [1], [2 blank] p; same col pls; 78 photos on 21 bound-in & tip-in glossy f; 145 fig. Dull purple cloth, gold spine title. Dk blue dj, white lett; resume. 21.6 x 13.8 cm(8 1/2 x 5 3/8 in). 35 s. Cut. JSL.LC 49-48315.

Cont: 1/2tp; front; tp; publ data; prefs; tab cont; pls list; blank p; text; appends; index; print data; blank f.

Substantially revised, new material added, reset. "The chapter on crystal form and structure has been so greatly increased in length as almost to constitute a treatise on crystal morphology," but this prefatory statement is interesting in that criticisms of this edition stated that this chapter was unnecessarily detailed for purposes of a gemological work. Additional materials include description of ivory and ivory-like substances, imitations of ivory, plastics, and other organic materials that recently made their way into cheap jewelry and ornamental objects. The meaningless term "semi-precious" is dropped and the categories of gemstones described therefore are principal, miscellaneous, ornamental, and organic. An "admissable" names section is added to the appendices, and the bibliography, reworked by A C Townsend, p 517-25, now contains 246 entries. Rev B W Anderson, *The Gemm*, 18, 216, 1949, 165-7; M D S Lewis, *J Gemm*, 2, 3, 1949, 112.

6163. -----1949, 10th edit, New York

Gemstones |...| and 145 Text Illustrations | Pitman Publishing Corporation | New York London [1949]

Identical, but in smooth blue cloth, gold cover & spine titles. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL.

6164. ---- 1949, 11th edit, New York

Gemstones |...| Pitman Publishing Corporation | New York London [1949]

Identical; bound as above; same p size. JSL. Curiously, this New York edition appeared before its London counterpart below.

6165. -----1950, 11th edit, London

Gemstones |...| [logo] | Methuen & Co. Ltd. London |... [1950]

Identical; dk maroon cloth; gold spine title. dk blue dj. 35 s. JSL.

6166. -----1952, 12th edit, rev

Gemstones |... [1952]

8°: xix, [1 blank], 537, [1], [2 blank]p; same ill. Reddish-brown cloth, dk blue dj. 21.4 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. 35 s. JSL.

A short preface added; several errors corrected, additional paragraphs added to p 306 and 328; bibliography brought up to date.

6167. -----1952, 12th edit, rev, New York

Gemstones |...| Pitman Publishing Corporation | New York London [1952]

Identical; in blue cloth, dk blue dj. $8.50.

6168. -----1958, 13th edit, rev by R C Phillips

Gemstones | By | G.F.Herbert Smith | C.B.E., D.Sc., M.A. | Late President of the Gemmological Association | of Great Britain | Revised By | F.C.Phillips, M.A. | Reader in Petrology, University of | Bristol | Methuen & Co Ltd | 36 Essex Street · Strand · London WC2 [1958]

16°: 560 p; 4 col pls as before(one is front) all tip-ins; 47 photos on 12 tip-in glossy f; 138 fig. Pale blue cloth, sepia-red panel on spine with gilt border & gold lett. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Cut. Te stained red. Sepia-red dj, resume. 50 s. JSL. LC 59-16106.

Cont: 1/2tp; front; tp; publ data; tab cont; pls list; prefs; text in 4 parts; appends; index tp; index.

Extensive revisions but retaining same text organization; ch on crystal morphology and structure reduced in size; some discussions of optical properties are omitted; a ch introduced to discuss the use of the microscope in gem identification; all references to monetary values deleted; a short ch on genesis of

deposits added. The bibliography, p 532-42, 265 entries, is rearranged according to subject matter. Generally there are reductions and additions in the text with some partial rearrangement of gemstone descriptions, all of the above, on the whole, considerably improving the book. Rev J Sinkankas, *G & G*, 9, 8, 1958/9, 248-53; E Bruton, *The Gemm*, 27, 326, 1958, 158-69, "truly a new edition, thoroughly and competently revised," noting especially the revision of the portions on crystallography; B W Anderson, *J Gemm*, 6, 8, 1958, 385-6.

6169. -----1958, 13th edit, New York

Gemstones |...| Pitman Publishing Corporation | 2 West 45th Street New York 36 [1958]

Identical; in green cloth; silver title on cover & spine. Te unstained. $10.00. JSL.

6170. -----1972, 14th edit, rev; by F C Phillips

Gemstones |...| F.C.Phillips, M.A. | Emeritus Professor of Mineralogy and Petrology, | University of Bristol | London | Chapman And Hall [1972]

16°: xii, 580 p; 12 col photos on 3 bound-in glossy f, with "keys" to objects on p [260] and a glossy f following, the last between p[260]-1; 48 photos on 12 glossy f bound-in between 148-9; 138 fig. Red cloth, purple panel on spine, gilt-edged, bearing title & small orn. Black plasticized dj, with resume, other publ bks. 21.5 x 13.8 cm(8 1/2 x 5 3/8 in). Cut. Te stained pale pink. £ 7.50. ISBN 412 10890 9. JSL.

Cont: 1/2tp; tp; publ data(with complete printing history of the London imprints); tab cont; pls list; pref; text; appends; index tp; index. "Many changes on a relatively minor scale have been made, mostly with the aim of bringing the work up to date." Such changes noted in the ch on synthetic stones, in gemstone descriptive chs where new material added, ch on diamond origin(rewritten), rearranged property tables, and "some fifty new entries have been added to the bibliography to serve as a guide to the more recent literature(p 544-6)." Photos formerly scattered about are now collected in one place to be bound-in on one section; the former color plates, after drawings of Helen Wilson, are omitted and in their place appear 12 color photos of rough & cut gemstones in the collection of the Geological Museum, London; they are very good quality. Rev *G & G*, 14, 5, 1973, 153; *Austral Gemm*, 11, 12, 1973, 23.

6171. -----14th edit, New York

Gemstones |...| Pitman Publishing Corporation | New York [1972]

Title leaf is a cancel, tip-in; text same; same cloth but "Pitman" at bottom of spine; similar dj but omitting price; back cover magenta, lacks publ adverts.

6172. -----1980, Russ transl. Dragotsennye kamni [by] Smit, G, Moskva: Mir, 1980, 586 p. Not seen.

6173. SMITH, H CLIFFORD

Jewellery | By | H.Clifford Smith, M.A. | [logo] | Methuen And Co. | 36 Essex Street | London [1908; "The Connoisseur's Library"]

8°: xlvii, [1 blank], 409, [1], [1 blank], [5]p; 33 text fig; 54 photo pls(some col), with tissues, tipped-in, each pl with one to as many as twelve ill. Pale red cloth, gold floral panel with title, crossing top of front cover, with blind rules & small blind floral orns; elaborate gold floral panel & lett on spine; back cover plain. 25.2 x 18 cm(10 x 7 in). Teg, others untrimmed, deckled. Ribbed paper, resembling hand-laid. JSL.

Cont: 1/2tp & ser tp; col front & tissue; tp; publ data; tab cont; ill lists; blank p; pref; introd; 37 chs; biblio(p 371-9, ca 230 entries); blank p; index; blank p; print data; advert(first p rubricated).

In this lavishly-produced work, typical of the series, gemstones are treated primarily as they enter into jewels and ornaments, but Ch 13, 99-104, entitled "The Mystery of Precious Stones," speaks of their lure and lore. Among notable gem pieces are those set with engraved gems, while gems are mentioned in many places in the text, and gem books are included in the bibliography. A reprint in green cloth lacks gilding of front cover, omits tissues for the plates, lacks teg, and eliminates advertising at the end. Col pl 34 is misnumbered 36 but remains in correct position; p xxiii-xxiv are erroneously placed between p xxvi-xxvii, but text reads correctly.

6174. SMITH, HENRY G

Technical Education Series, No.11. | [rule] a Department Of Public Instruction | Technical Education Branch - J.H.Maiden, F.L.S., &c., Superintendent. | [rule] | Gems And Precious Stones, | With | Descriptions of their Distinctive Properties; the Methods | for Determining Them, & C.; | By | Henry G.Smith, F.C.S. | (Mineralogist, Technical Museum, Sydney). | [rule] | With Six Illustrations. | [rule] | Sydney: Charles Potter, Government Printer, Philip Street. | [rule] | 1896. | 5 c 201-93-3 (a) [2s.]

Edgestapled: [7], [1 blank], 87, [1 blank]p; 6 pls(4 of crystal systems, 1 diamond pipe cross-sect, 1 of facet gem cuts). Dull orange printed wrap, cover title, 24.4 x 15.2 cm(9 5/8 x 6 in). Cut. BM(NH) Libr.

Cont; tp; introd; pref; tab cont; text; blank p.

Originally published in *New South Wales Educational Gazette*, Aug 1892 to May 1894; not seen. A general treatise offering nothing remarkable in the way of subject matter except that it seems to be the first comprehensive gemology text to be published in Australia. As may be expected, it emphasizes native gemstones, especially those of New South Wales. Topics: properties, descriptions, lapidary work, trade, imitations, artificial gems. The detail is excellent and the presentation interesting.

6175. SMITH, HUGH M The mussel fishery and pearl-button industry of the Mississippi River. *Bull US Fish Comm*, vol 18, for 1898, Washington, Govt Print Office, 1899, p 289-314, Pls 65-85(0f which 11 portray various aspects of the fishery and the button industry, the remainder depicting mussel shells); 3 fig. Orig bound vol: black cloth, gilt spine title. 27 x 19 cm (10 5/8 x 7 1/2 in), Probably issued separately. Important summary of the industry: shells used, fishery, the fishermen, apparatus used, seasons, fishing grounds, depletion of beds & causes, prices & commerce, statistics, the button industry(described in considerable detail and well illustrated). Makes conservation recommendations.

6176. -----1912 The pearl fisheries of Ceylon, *Nat Geogr Mag*, 23, 1912, 173-94, 13 photos, map. Brief history of pearl fishing in the Gulf of Manaar, the best grounds, uncertainty of shellfish supply, administration, divers & their work, processing of shells & pearls, commerce; statistics.

6177. SMITH, JOHN, of Kilwinning

Semi-Precious Stones | Of Carrick | By | John Smith | Author Of | "Prehistoric Man in Ayrshire," | "Stalactites and Stalagmites of Cleaves Cove," | "Botany of Ayrshire," | "New View of the Arran Granite Mountains," | "Condonts [sic] of the Ardovecian [sic] Rocks of the Southern Uplands | of Scotland," | "Drift Deposits of Ayrshire," | "Upland Fauna of the Old Red Sandstone Formation | of Carrick, Ayrshire, | etc. | "A thing of beauty is a joy for ever." | Kilwinning: | A.W.Cross, 110 Main Street. [1910]

8°: [4], 82, [2] p; 3 photo pls, one is tip-in front, others bound-in at end; 68 sketches & photos. Dull green cloth, gold spine title. 22.3 x 14.3 m(8 3/4 x 5 5/8 in). Cut. Glossy paper. JSL.

Cont: 1/2tp; front; tp; 3 lines in Gaelic; pref; text; pls explan; pls 2 & 3.

A most interesting work solely on the chalcedony and agate nodules that occur in amygdaloidal trap rocks near Carrick, Ayrshire, Scotland. Smith minutely describes a large variety of types which he collected himself, many specimens illustrated by sketches from his own hand or in photographs. He speculates on the origin of the amygdules and the patterns in agate as well as associated minerals. In this respect, his ideas remind one of J F Heddle's observations who also intensively studied Scottish agates. A worthwhile work but quite rare.

6178. SMITH, JOHN H Commercial gemstone carving in Japan. *Lap J*, 18, 11, 1965, 1180-6, ill; 12, 1276-87, col photos. On the gemstone carving industry of Kofu, a long-established lapidary center of Japan. JSL.

SMITH, JOSEPH, see GORI, A F, 1767

6179. SMITH, MICHAEL G

Crystal | Power | by Michael G.Smith | 1986 | Llewellyn Publications | St.Paul, Minnesota, 55165-0383, U.S.A.

"Llewellyn's PSI-TECH Series," first edit(printing) 1985.

Cementb: [10], 224, [16], [6 blank]p; many text fig; 14 photos. Col wrap. 20.3 x 13,1 cm(8 x 5 1/8 in). Cut. $9.95. LC 84-48089; ISBN 0-87542-725-1. JSL.

Cont: pref; author biogr; about the series; tp; publ data; dedic; ackn; tab cont; introd; prolog; 20 chs; definitions; photos; suggested reading; other bks of publ; 3 blank f.

An elaborate explanation of how the supposed energies in quartz crystals can be harnessed and transferred into the human body. There are drawings and specific instructions on how to construct "healing rods" and other bizarre devices utilizing quartz crystals. Much of the language ranges from the obscure to the merely unintelligible.

6180. SMITH, MARCELL NELSON(1854-)

Diamonds, Pearls | and Precious Stones | Where They Are Found, | How Cut, And Made | Ready For Use In The | Jeweler's Art, Their | Composition And Value | By | Marcell N.Smith | With Sixteen Illustrations | Printed for Smith Patterson Company by | Griffith-Stillings Press, Boston, Mass. | 1913 [title in ruled frame]

8°: [blank f supplied] + 95, [2], [1 blank]p; tip-in glossy col front with tissue; 15 other glossy photo pls tip-in. Pale blue cloth, lett & necklace in white on cover; white lett spine. White, ribbed, endpaper, faintly marbled in blue & pink. 20.9 x 14.5 cm(8 1/4 x 5 3/4 in). Cut. LC 14-1343.

Cont: blank f; front; tp; publ data; dedic; pref; tab cont; ill list; 23 chs; tab of properties; blank p.

A handsome production, designed "primarily to give assistance to the employees of the Smith Patterson Company in understanding more fully the diamond, pearl, and colored gem business." The preface gives sources of information that were drawn upon for the factual portions; these are reliable and the present work also shares this distinction. Much space is devoted to the diamond in all aspects, also the pearl, and much less wordage is given to the other gemstones and such rarities as kunzite and hiddenite. The frontispiece color plate is from watercolor sketches of a rough crystal specimens of emerald and a cut gem from Muzo, Colombia.

6181. -----1914, 2nd edit

Diamonds, Pearls |...| With sixteen Illustrations | Second Edition | ...| 1914

Exact reprint; front pl now displays a disagreeable yellowish tinge in the emeralds.

6182. SMITH, NORMAN REGINALD(1914-1984)

Industrial Applications | of the Diamond | Norman R.Smith | A.M.I.P.E., M.I.W.M. | Works Director | L.M.Van Moppes & Sons (Diamond Tools) Ltd | [logo] | Hutchinson Of London [1965]

8°: 304 p; 117 fig, may tab. Black cloth, yellow & white lett & logo on spine; col dj, resume, other bks of publ. 21 x 13.6 cm(8 1/4 x 5 3/8 in). Cut. Copies sold in USA with label of Chemical Rubber Co Press cemented over publ name on tp. JSL.

Cont: 1/2tp; tp; publ data; ackn; tab cont; fwd; introd; 8 chs; index.

Useful general information on the diamond, its nature, properties, origin, sources, production figures, shapes of natural crystals, choice of rough, preparation of rough, and setting stones in tools appears in the introduction. Aside from Ch 6, in which uses of diamond powder are explained, including lapidary applications, the remainder of the text describes the uses of diamond in industry. This work won immediate approval because of its timely and accurate information. The next title is an outgrowth of the present work. It was translated into Japanese, Italian, and Hungarian, none of which were seen.

6183. -----1974

Users' Guide | to Industrial Diamonds | Norman R.Smith | Technical Director | Diamond Products Division of Universal Grinding Ltd] [logo] | Hutchinson Benham, London [1974]

8°: 352 p; ca 150 photos, diagrs, sketches. Black cloth, gold lett, logo on spine. Col dj (photo of diamond crystals on cover; reviews, resume, vita). 21.6 x 13.8 cm(8 1/2 x 5 3/8 in). Cut. £ 4.50. ISBN 0 09 117050 8.

Cont: 1/2tp; tp; publ data; tab cont; fwd; ackn; 11 chs; index. JSL

"Industrial Applications of the Diamond... now completely rewritten, expanded and updated..." The first chapter again provides the general information, with all other chapters included but now adding Ch 10, 303-20, which explains use of diamond in making jewelry, jewel bearings, & gem cutting. The

greatly expanded use of diamond since appearance of the first book is reflected here where seemingly no application, however minor or obscure, escaped the notice of the author. Rev *J Gemm*, 14, 5, 1975.

6184. -----1976, Ger transl

Diamanten im Dienste der | Industrie | Norman R.Smith | Technischer Direktor der Diamond | Products Division of Unicorn Industries Ltd | übersetzt von Dr Reinhard Czaya | [logo] | Hutchinson Benham, London [1976]

8°: 380, [4 blank]p; ca 150 photos, diagrs, drawings. Black cloth, silver lett spine. Col dj as before but with Ger lett. 21.5 x 13.5 cm(8 1/2 x 5 1/4 in), Cut. DM 60. ISBN 0 09 128460 0. JSL.

Cont: 1/2tp; tp; publ data; tab cont; fwd; ackn; transl note; 11 chs; index; 2 blank f.

P 4: "Deutsche Übersetzung L.M.Van Moppes & Sons Ltd 1976."

SMITH, N R, see LEGRAND, J

SMITH, RAY F, see HURD, P D, et al

6185. SMITH, RONALD

The | Great Gold Lands | of | South Africa | A Vacation Run In Cape Colony, Natal, The Orange | Free State, And The Transvaal | Visiting The Diamond Mines And The Gold Fields; | The Scenes Of The Boer War And The War In | Zululand; And The Country Of The Swazies | To Which Are Added | Narrative Of Adventures In Matabeleland, And An Account | Of The Expedition To Mashonaland | The Whole Forming | A Handbook and Guide to intending Visitors and Settlers | Edited, From Notes, By | Ronald Smith | [rule] | With Map And Numerous Illustrations | [rule] | Ward, Lock, And Co. | London, New York, And Melbourne | 1891 | [All rights reserved]

8°: viii, 296 p; 58 wood engrav vignettes & scenes; 3 photo vignettes; 7 photo tip-in pls; tip-in fold map. Ca 17.5 x 11.5 cm(6 7/8 x 4 1/2 in). Copy examined cropped, rebound.

Cont: 1/2tp; map; tp; pref; tab cont; 33 chs.

A firsthand account, charmingly illustrated, of sights, scenes, persons, and activities throughout South Africa, with much on gold mining but with the information on diamond mining confined to Chs 7-11, p 44-86, in which he describes the city of Kimberley, its pipe mines, recovery of alluvial diamonds along Vaal River, and illicit diamond buying. Very scarce.

SMITH, R C, see GEYER, A R, et al

6186. SMITH, W CAMPBELL Jade axes from sites in the British Isles, *Proc Prehistoric Soc*, Cambridge, 29, 1963, 133-72, 3 fig, 9 pls, Not seen; BMC: "Descriptions and chemical analyses of nephrite and jadeite axes... a total of 69 were examined although many less were analyzed... only two proved to be nephrite." Yang 1888.

SMITH, W C, see MOON, F W, et al

SMITHSON, JAMES (1754?-1829)

Noted for bequeathing a large sum to found what eventually became known as the Smithsonian Institution in Washington, D C; b France; grad Oxford U 1782; MA 1786; mbr Roy Soc 1787; studied chem, mineralogy, wrote papers on same. For life & works, see W J Rhees, *Smithson Misc Coll* 327, 330, 1879-80.

6187. -----1791 An account of some chemical experiments on tabasheer. *Phil Trans Roy Soc London*, 18, for 1791, pt 2, p 368 ff; not seen, but see reprint below.

6188. -----1880 An account... [Reprinted in:] The scientific writings of James Smithson edited by William J Rhees. *Smithson Misc Coll* 327, Wash DC: by the Smithsonian Institution, 1879, vii, 159 p, ill, the article itself on p 1-17.

Tabasheer, a form of opal deposited in nodal areas of bamboo was important in Smithson's day as a medicine in the East; he carefully examined specimens and chemically determined its nature & properties, deciding from his findings that it was primarily a form of "siliceous earth," that is, silica. This may he the first determination on this form of opal.

6189. SMOLIN, A P Yashmy Urala i Altaya. Moskya: Izdatelstvo "Nedra," 1968, 28 p. Not seen: on the jaspers of the Ural and Altai mountain ranges.

6189A. SNEIJDER, GEERTO AEILKO SEBO(1896-)
Antique and mediaeval gems on bookcovers in Utrecht, Chicago, 1932. 4°: portfolio, 52 p, 40 ill, Not seen; another vague reference gives that as appearing in *The Art Bull*, 14, 1932, p 5 ff.

SNOW, D H, see NORTHROP, S A, et al

SNOWMAN, A KENNETH

Brit art connoisseur, historian, merchant; chairman of family firm of Wartski Ltd of London & New York, for many years specialists in selling the objects manufactured by Fabergé, the earliest of these being obtained by Emanuel S, father of above, and grandfather Morris Wartski in the period soon after Russian Revolution.

6190.-----1949

[Coat of arms, by apptmnt] Wartski [similar coat of arms] | Ltd. | 138 Regent Street, London, W.I | And At Llandudno | A Loan Exhibition | Of The Works Of | Carl Fabergé | Jeweller And Goldsmith To | The Imperial Court Of Russia | 1846-1920 | November 8th - 25th, 1949

Centerstapled: [3], [1 blank], 28, [4]p; cut-out col pls mounted to face title and the recto of last f. Stiff, pale gray wrap, title in black & red on cover with Fabergé name in cyrillic at top, & with yellow & black frieze extending to back cover, the latter with red imperial eagle & black lett. 23 x 14.1 cm(9 1/8 x 5 1/2 in). Cut. All paper pale gray, 5/-. JSL.

Cont: poem; front; tp; fwd(by S Sitwell); cat; workmaster marks; ackn; plate; ackn.

Sitwell's statement provides a general appreciation of the artistry and skill of Fabergé's personnel and is followed by the catalog of 383 objects assembled for exhibit at Wartski's premises in London. At that time it was "believed to be the first exhibition ever held in Europe of the works of Carl Fabergé(p 1)." The two color plates show the Lily-of-the-Valley Easter egg, and the Royal Coach Easter egg.

6191 -----1962, rev, enlarged edit Same title; 8°: 186, [4 blank]p; 84 col photos on 66 bound-in & tipped-in glossy f(one

is front); 407 photos on 88 bound-in glossy f. Pale gray buckram, but somewhat darker hue, otherwise identical. Plasticized dj, title in red & black on cover with 2 col photos; resume, other bks of publ. 24.6 x 18.8 cm(9 3/4 x 7 3/8 in). Cut. Teg. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; fwd; tab cont; ill lists; ackn; col pl; pref to 2nd edit; introd; 12 chs; chron; family tree; appends; biblio(p 167, 12 entries); index; 4 blank p.

Text reset, slightly altered in numerous places with most additional matter placed in the detailed descriptions of Easter eggs and plate explanations of Appendix D. Many more color and b & w pls provided, depicting some objects in an anonymous collection in the United States and several in the Armory of the Moscow Kremlin. These modifications considerably increase the value. Apparently more care was exercized in reproducing b & w photographs, such now being noticeably better in quality.

6192. -----1964, "third edit," actually a reprint. Not seen; see next entry.

6193. -----1964, 3rd edit reprinting

The Art Of | Carl Faberge [sic] |...| New York Graphic Society Ltd. | Greenwich, Connecticut [1964]

Identical cloth, but with publisher changed on titlepage, same dj, etc. There is no statement in the text as to why this reprinting is called a third edition; it is obviously the same, printed on whiter paper with some loss of black density although color plates remain good. Te not gilt. $29.50. ISBN 0 8212 0609 5; LC 73-91133. JSL.

6194.-----1961

Easter Eggs | and | Other Precious Objects | by | Carl Fabergé | A Private Collection of Masterworks | Made for the Imperial Russian Court | The Corcoran Gallery of Art | Washington, D.C. | 1961 [title in dull purple & black]

8°: 60, [2], [2 blank]p (first f blank); col photo front + 25 others in text. Pale grayish-brown cloth, gold title on cover; grayish-brown endp. White dj, front blue with central col photo panel, white lett. 20.3 x 21.7 cm(8 x 8 1/2 in). Cut. JSL.

Cont: blank f; 1/2tp; front; tp; fwd; col photo; introd; col photo; notes; col photo; cat; blank p; publ data; blank f.

Beautifully-produced catalog of an exhibition of a collection by an unnamed collector. The notes on which the catalog was based and the introduction are by Snowman. Preliminaries discuss history of Fabergé and the era in which he thrived, followed by brief notes on materials and methods employed in the Fabergé workshops, the workmasters, and their marks. The catalog is in considerable detail, each item described according to materials, mechanisms, if present, dates, marks, etc. Good quality photographs.

6195. -----1977

[top left: an Imperial Russian eagle] Goldsmith to the Imperial Court of Russia | Fabergé | 1846-1920 | An International Loan Exhibition assembled | on the occasion of the Queen's Silver Jubilee | and including objects from the Royal Collection | at Sandringham | 23 June - 25 September 1977 | Debrett's Peerage Ltd. in association with | the Victoria and Albert Museum

Oblong: various gatherings: 131, [1] p; 46 col photos, 119 b&w photos & key drawings. Plasticized wrap, col photos both covers; front with title; white spine title. 18.4 x 24.1 cm(7 1/4 x 9 1/2 in). Cut. Also in black cloth, dull yellow endp, large Russ Imperial eagle on front cover, like the wrap. Same p size. ISBN 0 905649 02 8, paper; 0 905649 03 6, hardcover. Paper £ 3.00, cloth £ 5.00. JSL.

Cont: 1/2tp & cover photo captions; tp; publ data & tab cont; fwd; introd; chrono; note on materials; marks & standards; workmasters & their marks, with catalog notes; cat; list of Fabergé cases.

A handsome, high-quality catalog of an international exhibition that was suggested by Snowman and arranged by him, along with his catalog and the introductory matter. The latter is an appreciation of Fabergé and his works, with brief remarks on especially outstanding pieces, and is followed by the house chronology, then brief notes on the materials used, including gemstones, hallmarking, etc. The main body is a systematic description of the 524 items distributed among 19 cases, lettered A to S. Many objects are shown in the photographs while the color plates are fitted with key outline drawings to identify the pieces. The largest lot came from the British Royal Family collections, particularly from Sandringham, with the remainder loaned from museums and private parties in Europe and the United States. this is certainly the largest assemblage of Fabergé pieces ever shown at one time.

6196. -----1977 A pamphlet guide to the above exhibit, the single word "Fabergé" appears on the cover; centerstapled: [16]p, including covers, 10 photos; 21 x 14.9 cm(8 1/4 x 5 7/8 in). Cut. Publ by H M Stationery Off, London, 1977, ISBN 0 905209 07 9. JSL.

6197. -----1979

Carl Fabergé | Goldsmith To The | Imperial Court Of Russia | A.Kenneth Snowman | [b&w portr Fabergé enclosed in ruled frame] | A Studio Book | The Viking Press · New York | in association with Debrett's Peerage Limited [entire title enclosed in single-rule frame; 1979]

4°: 160p; 111 col photos, 88 b&w photos, Olive-green unfin silk; Russ eagle blind-stamped on cover; gilt spine title; green endp. Col photo dj, flap resume, vita. 26.9 x 21 cm(10 1/2 x 8 1/4 in). Cut. LC 79-63369; ISBN 0-670-20486-2. JSL.

Cont: 1/2tp; tp; dedic; publ data; tab cont; ill note; ackn; introd; text; append tp; chron; biblio(p 156-7, of "noteworthy material which has appeared since the Bibliography given in The Art of Carl Fabergé was published in 1953," 33 entries); index.

P 11: "The purpose of this book is to assemble a number of new and serviceable photographs of Fabergé's work in gold and silver, enamels, semi-precious stones and jewels and to explain as far as possible how and when they were designed and realized." In this the author succeeds admirably: there are numerous high-quality photographs generously sprinkled throughout the text, but some, especially those showing smaller objects, tend to include too many, with the result that details are not easily discerned. Of special interest: eggs and other objects specially obtained for the work from the Kremlin museums. The text treats materials, designs, stone carving, flower studies, eggs, marks & standards, wrong attributions, etc.

6198. -----1983, reprint of above

Carl Faberge |...| [same photo] | Greenwich House | Distributed by Crown Publishers, Inc. | New York [1983]

Same, except that a b&w photo has been inserted, with caption, at the bottom of p [8], thus increasing the b&w photo count to 89. Dull brown, smooth paper, imitating leather, over bds; gilt spine title; plain white endp. Similar dj, but rewritten text on flaps; no price given; back cover shows an egg instead of a berry spray. Color improved in various photos, especially of nephrites, eg p 27, 31. JSL.

SNOWMAN, A K, see FABERGÉ; also SOLODKOFF, A v

SOBOLEV, VLADIMIR STEPANOVICH(1908-)

Russ petrographer, mineralogist; grad Leningrad Mining Inst 1930; prof Irkutsk U 1941-5; prof Lvov U 1945-.

6199. -----1951

V.S.Sobolev | Geologiya | Mestorozhdeniy Almazov | Afriki, Australii, | Ostrova Borneo | I Severnoy Ameriki | [double rule] | [logo] | Gosudarstvennoe Izdatelstvo | Geologicheskoy Literatury | Moskva 1951

8°: 125, [2], [1 blank]p; 57 fig(mostly maps, 6 fold). Pale brown & tan wrap, brown lett. 21.8 x 14.5 cm(8 5/8 x 5 3/4 in). Cut. 8 r 45 k. Press run 2,000. JSL.

Cont: tp; pref; text; biblio(p 123-4, 19 entries); tab cont; errata slip; publ data; blank p.

Broad survey of geology of diamond deposits of Africa, Australia, Borneo, and North America but by far most space is given to Africa.

SOBOLEV, V S, see BUROV, A P

6200. SOBOLEVSKII, V I Dragotsennye i tsvetnye (podelochnye) kamni. *Nerudnye Iskopaemye Sovetskoi Aziii*, Moskva, 1932, p 42-56. Not seen.

6201. SÖCHTING, JOHANN WILHELM EDMUND(1830-)

Die | Einschlüsse Von Mineralien | In | Krystallisirten Mineralien. | Nebst Betrachtungen | Über Die | Entstehung Von Mineralien Und Gebirgsarten. | Von | Dr.E.Söchting. | [taper rule] | Freiberg. | Buchhandlung J.G. Engelhardt. | (Bernhard Thierbach.) | 1860.

8°: VI, 357, [1]p. 21.1 x 13.8 cm(8 1/4 x 5 3/8 in). Cropped, JSL; USGS Kunz Coll, GS 34-272. Pogg 2, 953.

Cont: 1/2tp; fwd; text; lists; publ data.

A worthy continuation of the pioneering work on inclusions by R Blum, G Leonhard, et al, 1854, which see, is the present large and important work which reflects the careful search of its author throughout the mineralogical literature. As a result it reports on many new types of inclusions both mineralic and organic in nature, many from his own observations. However, there are errors, as for example, the occurrence of gold in diamond, and numerous speculations, some later confirmed but others disproved. While references are noted there is no bibliography and one is forced to work back through the text to find full citations of works.

6202. SOCIÉTÉ INTERNATIONALE FORESTIÈRE ET MINIÈRE DU CONGO

"Le Diamant au Congo Belge" | [red rule] | Société Internationale | Forestière Et Minière | Du Congo | "Forminière" [in red] | [sepia-tint photo, 2 line-caption] | 1946 [Bruxelles]

8°: [blank f] bound-in + 65, [1 blank], [1], [3 blank]p; 106 sepia photos; 3 col maps bound-in; text map. Pale tan, stiff paper wrap, inward fold flaps; black & red title on cover. 29.5 x 23.7 cm(11 5/8 x 9 3/8 in). Cut. Pale tan paper. Wraps overlap text. JSL.

Cont: blank f supplied; 1/2tp; tp; tab cont; portr(King of Belgium); text; blank p; print data; 3 blank p.

Lavishly illustrated, handsome promotional brochure issued by the company on its diamond industry in Belgian Congo, now Zaire. Brief company history, the diamond deposits, personnel & facilities, organization of the company, general geography & geology of Kasai region, social life of the workers, diamond mining & recovery methods, uses & cutting of diamonds, associated companies. Photographs of Jean Jadot, Thomas F Ryan, Daniel Guggenheim; colored maps of the Belgian Congo as a whole(with company concessions) and the Kasai.

6203. -----1956

Forminiere | 1906 * 1956 | [orn] | Editions L.Cuypers - Bruxelles [title in red & black; 1956]

8°: 209, [4], [3 blank]p (p 1-4 blank); bound-in photo front pl + 78 photos on 32 bound-in f; 8 col photo pls bound-in; 4 fig; 2 fold col maps inserted loose. Stiff, black paper wrap, title in red & black on cover; wrap folds over an inner wrap of stiff red paper; spine title & decorative panels. 27.9 x 22.8 cm(11 x 9 in). Cut. Ch orns, heading, inits in red. JSL.

Cont: 2 blank f; 1/2 tp; front; tp; pref; text; society directors; tab cont; ackn; publ data; 3 blank p.

"Cet ouvrage a été publié par la Société... à l'occasion du 50^{e} anniversaire de sa creation... Achevé d'imprimer le 15 juin 1956."

Elaborate, lavishly illustrated history of the Forminière throughout its 50 years of existence, from the entry of Belgium into African affairs in the latter part of the 19th century, the society itself being established in 1906. The first two text parts treat history and accomplishments, while the third part, of special interest here, p 147-98, describes the diamond mining industry in Kasai and includes remarks on its development, geology of the region and the deposits, explorations, mining, recovery, marketing, etc, with a few production statistics from 1926-55. The part on diamonds is well illustrated with scenes, machinery, processing of gravels, etc. One of the part-colored folding maps shows the entire country while the other, also part-colored, shows the locations of diamond mines in the Kasai.

6204. SOCRATES AND DIONYSIUS De Mély & Ruelle provide a Greek version of a lapidary attributed to these authors on p 175-7 of their *Les Lapidaires de l'Antiquité et du Moyen Age*, 2, fasc 1, 1898, which see. There is not a translation from the Greek, however. The ms from which this version was printed also embodied an epitome of the Orphic lapidary and Vaticanus 578, as noted on p XIV in their Preface. The stones are emerald, chalcedony, agate, onyx, sardonyx, and chrysolite, and others of lesser importance.

6204A. SOFIANIDES, ANNA S & HARLOW, GEORGE E

Gems & | Crystals | From The American Museum Of Natural History | Anna S. Sofianides | Associate, Department of Mineral Sciences | American Museum of Natural History | and | George E. Harlow | Curator of Gems and Minerals | Department of Mineral Sciences | American Museum of Natural History | Photographs by | Erica and Harold Van Pelt | Simon and Schuster | New York London | Toronto Sydney Tokyo Singapore [1990]

8°: 208 p; ca 170 col photos, 8 b&w photos, 7 drawings(2 col). Black paper over bds, silver lett cover & spine; faceted diamond reflections in pale blue endp; col photo dj with summ & vitas. 30.5 x 23 cm(12 x 9 in), cut. ISBN 0-671-68704-2; LC 89-115674. $40.00

Cont: logo; tp; publ data; ackn; tab cont; intro; text; gloss; biblio (p 204-5, 37 bks, 3 jnls); index

The purpose of this book is to describe, mainly by splendid color photographs and other illustrations, some of the cut gem and gem crystal treasures in the collections of the museum, but prefacing such descriptions by an excellent survey of the collection histories, the persons involved either as collectors or curators, a brief history of gems in general, gemstone properties, cutting, sources, imitations, etc. The provision of thumbnail biographical sketches of personalities, plus excellent photographs of them is a valuable feature. The main body takes up diamonds, corundums, beryls, and other major species, then passes into ornamental stones, and includes organics as pearl, amber, coral and jade. At the end the authors describe rare or unusual gemstones. On the whole an interesting and instructive work but marred here and there by errors that should have been eliminated by more careful proofing, eg, a wrong attribution of illustrations on the publishing data page to the "Geological" Institute of America instead of to the "Gemological" Institute, and misspelling of Sinkankas in the bibliography twice.

6205. SÖHNGE, P G; VISSER, D L J & VAN RIET LOWE, C The geology and archaeology of the Vaal River basin. *Union of S Afr Geol Survey Mem* No 35, Pretoria, 1937, edgestapled: 192 p, 20 fig, 36 pls, pale gray-green print wrap. 24 x 15.2 cm (9 1/2 x 6 in). 5 s. JSL. First part, p 9-60, by Söhnge & Visser, 4 pls, describes alluvial diamond deposits along Vaal River but mentions diamonds only incidentally.

SÖHNGE, P G, see VILLIERS, J DE

6206. SOHON, JULIAN A

State Of Connecticut | State Geological and Natural History Survey | Bulletin No.77 | [rule] | Connecticut Minerals | Their Properties and Occurrence | [rule] | By | Julian A.Sohon | Bridgeport Public Library, Bridgeport, Conn. | Edited by | Dr.Alexander N.Winchell | [state seal] | Hartford | Published by the Survey | 1951 [title from wrap]

Two other titles are present, the first the bulletin series title, and the other a title for this bulletin stating that it is "A revision of Bulletin No.51 [by J F Schairer, which see], 1931." Curiously, neither bears an author. GS 51-119.

8°: vi, 133, [5 blank]p. Pale gray print wrap. 22.9 x 15.2 cm(9 x 6 in).

Alphabetical list with descriptions, properties, localities, also lists localities under places, towns, etc with minerals reported therein. Bibliography 101-20, 305 entries, and 18 bks for further reading. Gemstones, principally occurring in granitic pegmatites, or quartz varieties, are mentioned.

SOKROVISHCHA ALMAZNOGO FONDA SSSR, see BAULIN, N Ya, et al

6207. SOKROVISHCHA ROSSII KHUDOZH A serial, on art treasures of Russia, publ in St Petersburg(?); vol 2, no 12, 1902, 337-41, contains "Gallereya dragotsennye Imperial Ermitazha," not seen.

6208. SOLAR B, CARLOS DEL Onixes de Maco y Lircay - marmoles de Huaytapallana y Callapampa. *Bol Oficiel de la Dirección de Minas y Petróleo*, Peru, no 46, 1935, 19-33. Occurrences of calcite onyxes and marbles in Peru.

SOLNTSEVA, L S, see KUZMIN, V I, et al

6209. SOLODKOFF, ALEXANDER VON, et al

Masterpieces from the House of | Fabergé | Alexander von Solodkoff | with essays by | Roy D.R.Betteley, Paul Schaffer | A.Kenneth Snowman, and Marilyn Pfeifer Swezey | Edited by Christopher Forbes | [Fabergé logo] | Harry N.Abrams, Inc., Publishers, New York [1984]

8°: 192 p; 77 col photos; 307 b&w ill. Dk blue unfin silk, gold title on cover & spine; pale gray, ribbed endp. Col dj, folding inward along top as well as sides; resune, 27.9 x 22.5 cm(11 x 8 7/8 in). Cut. LC 84-2779; ISBN 0-8109-0933-2. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; text; biblio(p 163, 3 bks, 7 mag arts); Forbes Mag Coll cat; ackn; photo credits,

Ardent Fabergé collector, Malcolm S Forbes, speaks of his collecting activities, while son Christopher discusses hunting for Fabergé eggs; Solodkoff provides a history of the House of Fabergé; Swezey furnishes an essay on the state of Russia during the reign of Nicholas II, the last czar; Snowman gives an essay on the origin & career of the House of Wartski, famous for their sales of Fabergé objects, with a similar treatment by Schaffer on the New York firm of A La Vieille Russie, also noted for its speciality of selling antique Russian art objects, Betteley describes the important Fabergé collection in the Royal Thai House. There are remarks also on Fabergé workshops and masters, with brief biographies and portraits, hall marks, and the very substantial Forbes Magazine Collection, which is depicted & described on p 164-87, and which numbers several hundred objects. The present work, handsomely prepared, is most valuable for its considerable quantity of new historical information as well publishing a number of new illustrations of art objects from the House of Fabergé.

SOLODKOFF, G v, see HABSBURG-LOTHRINGEN, G.v.

6210. SOLODOVA, YULIYA PETROVNA; ANDREENKO, ELVIRA DMITRIEVNA & GRANADCHIKOVA, BELLA GEORGIEVNA

Yu.P.Solodova, | E.D.Andreenko, | B.G.Granadchikova | [double rule] | Opredelitel | Yuvelirnykh | I Podelochnykh |

Kamney | Spravochnik | [logo] | [rule] | Moskva "Nedra" 1985

Cementb: 221, [2] p; 14 fig, tab; 16 col photos on 4 glossy f bound-in betw 128-9. Blue wrap, white lett & col photo on cover. 21.5 x 13.8 cm (8 3/8 x 5 3/8 in). Cut. 95 k. Press run 160,000. JSL.

Cont: tp; resume; edit pref; abbrev list; introd; text; tab; biblio (p 218-9, 50 entries); index to gemstones; tab cont; publ data.

A work of reference for identifying gemstones, including synthetics and organics. Topics: identification methods & instrumentation, importance of inclusions (many types depicted), descriptions of gem materials according to chemical classes, and separately for organics, color clues to identity (with very poor col photos), and lastly, extended table of properties with first entry argument hardness.

SOLODOVA, Y P, see KORNILOV, N I

6211. SOMMER, CHRISTOPH HINRICH VON Aglaia eller kundskab om smykkestene... tildeels efter J.A.F.Fladungs Edelstein=Kunde [which see]... med tre kobbere ...Kjobenhavn, forlagt af boghandler J.Risse, 1830. 12°: viii, [2], 180 p; 3 engrav pls. Not seen. Another ref gives same title but adds "En haandbog for damer af Hr.Oberstlieutenant og Commandant v.Sommer, Kjobenhavn 1830."

SOMMERVILLE, MAXWELL (1829-1904)

USA publ, collector, philanthropist; b Virginia; educ Phila; early in life became a publisher and made an enormous fortune. Biographer Harry Dillon Jones, *The Booklovers Mag*, Jul 1904, 58-68, writes "An outlay of at least $500,000 is represented in the Gem Room at the University of Pennsylvania Museum... one of the treasures... is a large cameo, depicting the triumph of Constantine, which was once in the possession of Catherine II of Russia. It is valued at $30,000... for forty-seven years... Professor Sommerville wandered about the earth, braving all danger and scorning hardships, begging or buying from their owners the charms and fetishes [includ engrav gems]."

6212. -----1875

Catalogue | Of A | Cabinet of Gems, | Cameos In Relief, And Other Engraved Stones, Ambers, | Antique Pastes, Rings, Etc., | Collected In Europe, Asia, And Africa, | By Maxwell Sommerville, | Of Philadelphia. | On View in the Centennial Loan Exhibition, 218 West Rittenhouse Square, Philadelphia, | April 14 to May 14, 1875. | [rule] | Philadelphia: | Sherman & Co., Printers. | 1875. [priv publ]

4°: [38]p. Dull brown wrap, gold cover title. 28.7 x 23.7 cm(11 7/8 x 9 3/8 in). Cropped. LC 12-11894.

Cont: tp; publ data; pref; committee mbrs; catalog.

In the preface Sommerville notes the countries he visited to acquire the gems, then describes the materials of which they are composed, and the individuals who aided him in his endeavors. The text is no more than a series of printed diagrams showing physical locations of the gems in Cases A-Z and AA-II. Each position is given a catalog number, a brief description, and the material. There are several hundred pieces.

6213. -----1877

Engraved Gems: | Their Place In The History | Of Art. | By | Maxwell Sommerville, | Of Philadelphia. | [wood engrv of a ring] | Philadelphia: | Porter & Coates. | 1877.

With:

Catalogue | Of A | Cabinet Of Gems, | Cameos In Relief, | And Other | Engraved Stones, Ambers, Antique Pastes, | Rings, Etc., | Collected In Europe, Asia, And Africa, | By | Maxwell Sommerville, | Of Philadelphia. | [rule] | Philadelphia: | Sherman & Co., Printers. | 1877.

Both works, separately paged, are bound up in one; according to LC 12-11895 & LC 12-11893, respectively, these works were issued separately, perhaps in printed wrappers. However, in the present copy, the binding obviously is meant to embrace both works.

4°: 71, [1 blank]p; 34 wood engrav & other ill on 14 f, includ in pag; 2 other ill. Dk green cloth, bev bds, gold wide inner border frame of bull's eye motifs enclosing gold banner & scroll; a ring & title on cover; gold orn rules on spine; blind cover frame on back. Brown dull-finish endp. 21.5 x 14.7 cm(8 1/2 x 5 3/4 in). Cut. JSL.

Cont: tp; publ data; pref; text; blank p.

4°: 67, [3 blank]p; 22 wood engrv; fold diagr.

The first part explains engraved gems, what they are, how they were used, their historical development, famous examples as the great agate of Tiberius and the enormous Apotheosis of Augustus as well as the Farnese tazza, and also cylinder seals, ancient gems, styles of ornament, scarabs, and other topics. The second part is the annotated catalog, with the materials identified but no dimensions given nor from whom acquired. There are about 1,000 gems but these are not arranged in a consistent fashion. Sommerville's collection is remarkable for the large variety of gem materials, namely, agalmatolite, chalcedonies, crystalline quartzes, amazonite, many ambers, glasses, beryl, bronze [sic], garnet, gold [sic], jacinth, labradorite, lapis lazuli, malachite, obsidian, corundum, topaz, and turquoise. Both works are scarce.

6214. -----1889

University of Pennsylvania, | Department Of Archaeology And Palaeontology. |[rule] | Manual | Descriptive Of A Collection Of Talismans Engraved | On Stones And Metals Of Various Countries And | Epochs, Illustrative Of What Man Has | Worn For His Protection From | Accidents And Disease; | Also, Ancient Gems, Babylonian Cylinders, | Persian Seals, Etc.: | Being Part Of The Important Glyptic Collection Of | Maxwell Sommerville, | Vice-President Of The Museum. | Loaned On The Occasion Of The Visit Of | The Pan-American Congress, |...[5 lines]...| [rule] | Philadelphia: | November, 1889.

Edgesewn: 41, [1 blank]p; 3 fig, 1 diagr. Dull, gray-brown paper wrap, gold orn & lett on cover. 20.6 x 14.1 cm(8 1/8 x 5 1/2 in). Cut. JSL.

Cont: tp; publ data; ltrs; author note; ltr describing forthcoming Sommerville book; catalog; blank p.

The objects exhibited are numbered 1497 to 1893, and include numerous cut gemstones with others that are made from base or precious metals, and a series of engraved "gems" cut upon ostrich shell, also seals, abraxoid gems, a suite of classical engraved gems, and some others. All are briefly described but no dimensions given.

6215. -----1889

Engraved Gems | Their History | And | An Elaborate View Of Their Place In Art | By | Maxwell Sommerville | [wood engrav, a ring] | [rule] | Illustrated | [rule] | Philadelphia | Published By The Author | 1889

This is followed by another title:

Engraved Gems | Their History And Place In Art | In Which Is Embodied | The Author's Former Treatise, With Extensive Revisions And | Additions; Reminiscences Of Travels In The Pursuit And | Acquisition Of Engraved Gems; Also Interesting | Incidents Of Their Subjects; | To Which Is Added | A Descriptive List Of The Author's Cabinet Of Gems | Forming | A Compend Of Greek And Roman Classics And Antiquities | [rule] | Illustrated With 100 Original Drawings By The Author | And With Over 500 Fac-Similes Of His Gems | [rule] | Philadelphia | Maxwell Sommerville | 1889

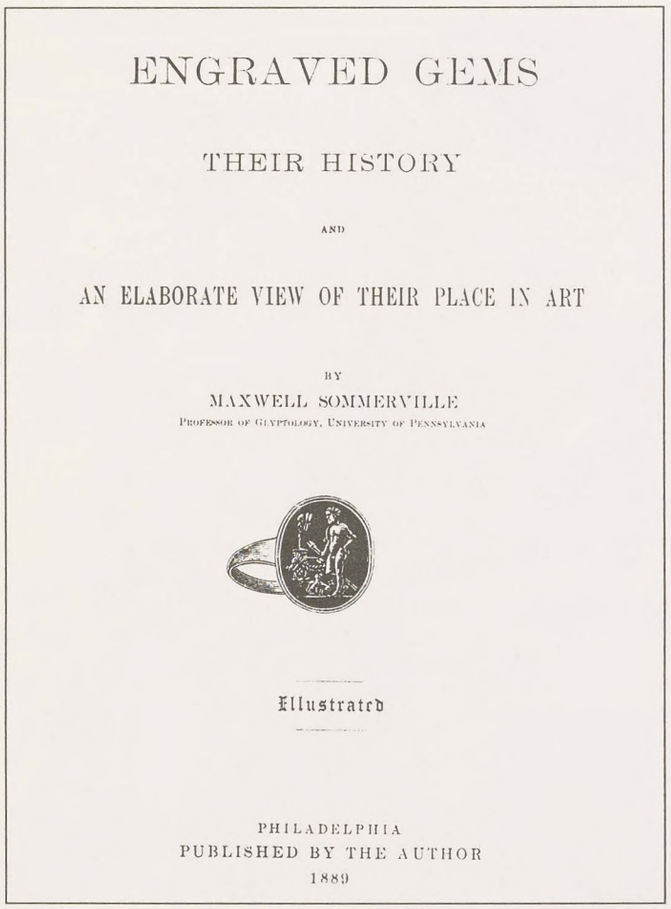
8°: blank f supplied + 783, [3 blank]p; 83 fullp wood engrav pls, reverses blank but integral in text & includ in pag; 83 ch orns & text fig; phototype portr pl front of author with tissue, tip-in; 104 fullp photo pls also integral in text & includ in pag. Maroon or dk blue cloth, orn title on cover with pendant gem & ring in gold; orn gold title & rules on spine. Bev edges. Dk brown, dull-finish endp. 27.8 x 21.8 cm(10 7/8 x 8 5/8 in). Cut. Teg. LC 12-11891. JSL.

Cont: blank f; front; first title; publ data; title 2; dedic; pref; tab cont; text tp; text(to p 418); Plate A; cameos in European museums; facs ltrs tp; 10 facs; cat tp; pref; 104 pls; description of a Jupiter gem; cat; list of fullp ill; list of text ill; index; cat index; 3 blank p.

This is Sommerville's largest, most elaborate, and most important monograph; as such, it completely incorporates the content of his earlier work of 1877 which bears a confusingly similar title. As is readily seen from the listing of contents above, it is also a complex work that actually consists firstly of a long, interesting work on engraved gems generally, and secondly the catalog of his collection, plus additional matter as descriptions of several famous gems in European collections and a series of facsimile letters congratulatory of Sommerville's achievements.

In the first part are three chapters dealing with the history of engraved gems, reminiscences of the author's numerous travels which are both fascinating and handsomely illustrated with competent sketches from his own hand, and anecdotes concerning gems, Following this are short essays on famous gems, especially the very large examples of cameos, suitably illustrated, and the facsimile letters, all from French savants. After a special titlepage to the "catalogue raisonné" of 1500 numbers, also dated 1889, there appears a brief preface which discusses the identified materials forming the substances of the gems, and the 103 mostly photographic plates of the collection gems, and another plate depicting photographically, in actual size, the large cameo of Jupiter Aegiochus with accompanying description. The book now closes with the formal catalog which is illustrated in places with photo vignettes of gems. As before, each gem is identified as to subject and material but lacks dimensions. This splendid treatise contains so much interesting matter that in places it is fully rewarding reading even if one has no special interest in engraved gems. While the paper quality is good, the large size, weight, and an insufficiently stout binding result in most copies loosening along inner hinges and eventually disbinding; for this reason, good sound copies are very scarce.

Note: Apparently Sommerville kept track of purchasers of the above work because some copies contain a small red paper wrap pamphlet entitled *A Monograph On The Antique Cameo The Triumph of Constantine Formerly in The Cabinet Of Catherine II. Of Russia* By Maxwell Sommerville... Philadelphia: 1896. It is 4 pages long, with photo illustration of the cameo, and was


ENGRAVED GEMS

THEIR HISTORY

AND

AN ELABORATE VIEW OF THEIR PLACE IN ART

BY

MAXWELL SOMMERVILLE

PROFESSOR OF GLYPTOLOGY, UNIVERSITY OF PENNSYLVANIA

Illustrated

PHILADELPHIA
PUBLISHED BY THE AUTHOR
1889

6215. Titlepage to Philadelphia engraved gem connoisseur Sommerville's large and self-illustrated work

transmitted by Sommerville in the form of a letter. For a recent view of the collection see C C Vermeule; Zazoffs, *Gemmensammler*, 1983, p 194.

6216. -----1901, an abridgment

Engraved Gems | By | Maxwell Sommerville | Professor Of Glyptology, University Of Pennsylvania; Author Of "Sands | Of Sahara," "Siam," Etc.; Corresponding Member of the Société | Académique Des Sciences, Arts Et Belles-Lettres | Du Département De L'Aube, | France, Etc. | [logo] | Drexel Biddle, Publisher | Philadelphia London | San Francisco Toronto | 1901

8°: [2 blank]f supplied + 133, [3 blank]p + [2 blank] f supplied; 21 tip-in glossy pls, printed one side only & includ in pag; 24 text fig & ch orns. Dk maroon cloth, gold title on banners of cover, with gold panel bearing a Latin inscription(described on an insert f); gold lett & orns on spine, Bev bds. 25.8 x 18.2 cm(10 1/8 x 7 1/8 in). Cut. Teg. LC 2-3958-M2.

Cont: 2 blank f; 1/2tp; tp; publ data; pref; explan of Latin inscript; tab cont; ill list; text; index; 3 blank p; 2 blank f.

"My former treatise... being largely illustrated and inconvenient in size, I have abridged the work and with new material prepared this volume (p [5])." However, while the former work

6215. Plate from Sommerville's "Engraved Gems", 1889

is rich in anecdote and personal experience, and also lavishly illustrated, the present abridgment is not only much smaller in size but also a bare-bones recital of the basic information incorporated in 22 very brief essays which begin with a general appreciation of engraved gems and progress through the gems of antiquity to the present, also remarkable gems, religious gems, mythology as depicted on gems, pastes, and other topics. Despite its brevity and the mistake of trying to take up too many (inadequately treated) topics, it provides much valuable information.

SOMETHING ABOUT DIAMONDS, see DIAMONDS, SOMETHING ABOUT

SORBY, HENRY CLIFTON(1826-1908)

Brit chem, geol; pres Firth Coll Sheffield 1882; founder of Sheffield U; fellow Roy Soc; devised improvements in microscopic metallography & petrographic thin-sections. Biogr note in *Naturalist*, Leeds, 1906, 137- 44, 194-230, pl; DNB.

6216A. ----1858 On the microscopical structure of crystals, indicating the origin of minerals and rocks. *Quart J Geol Soc London*, 14, 1858, 453-500, Pls XVI-XIX. JSL.

A famous paper commencing with Sorby's avowal that "I shall attempt to prove that artificial and natural crystalline substances possess sufficiently characteristic structures to point out whether they were deposited from solution in water or crystallized from a mass in the state of igneous fusion; and also that in some cases an approximation may be made to the rate at, and the temperature and pressure under which they were formed (p 453)." While other papers, reviewed by him in historical introduction, note and describe inclusions of various kinds, Sorby's is the first to lay the groundwork for use of inclusions as geological thermometers and barometers, and as clues to the environment in which crystals grew. Zittel, *Hist Geol*, 1901, 328-9, calls Sorby's work "epochal in its effect." For gemologists this paper is also of great importance because it focused attention on the significance of inclusions in gem crystals, which because of their inherent features aided greatly their identification. The plates clearly depict many types of liquid-gas-solid inclusions; in this connection, see also the similar illustrations in Lea's *Further notes on inclusions in gems*, 1876.

In a later paper, Sorby, with P J Butler, describes inclusions in ruby, sapphire, diamond and some other minerals (*Quart J Geol Soc London*, 1869, 291-3-2, Pl VII). For an appreciation of Sorby's work, see "Henry Clifton Sorby, and the birth of microscopical petrology," by J W Judd, *Geol Mag*, dec 5, vol 5, 193-204, portr; obit, also by Judd, in *Min Mag*, 15, 1908, 180-4, pl 6. A list of Sorby's papers also appears in the *Naturalist* article mentioned earlier. Dewalque, 494.

SØRENSON, HENNING, see SBORNIK NARODNIHO MUZEA, etc

6217. SOSMAN, ROBERT B

The | Properties Of Silica | An Introduction To The Properties | Of Substances In The Solid | Non-Conducting State | By | Robert B.Sosman, Ph.D. | Member Of The Staff Of The Geophysical Laboratory | Carnegie Institution Of Washington | [logo] | American Chemical Society | Monograph Series [No 37] | Book Department | The Chemical Catalog Company, Inc. |... | 1927

8°: 856, [4 advert], [2 blank]p; ills; tabs. Blue cloth, gilt. 22.8 x 15.2 cm(9 x 6 in). Cut, JSL. LC 28-585.

Extremely detailed study of the chemistry and properties of silica in its various forms, natural & synthetic; includes crystallography, some mineralogy, and information on quartz and its varieties, also opal. Ch 42 "Silica minerals and rocks," 789-801, summarizes the mineralogical information and includes brief descriptions of gemstone varieties. In 1965, Sosman published *The phases of silica*, x, 388 p, ill, Rutgers U Press, which retains much of the material of the work described herein but contains less of interest to the gemologist.

6218. SOTHEBY & WILKINSON

Catalogue | Of The | Celebrated And Well-Known | Collection | Of | Assyrian, Babylonian, Egyptian, | Greek, Etruscan, Roman, | Indian, Peruvian, Mexican, And Chinese | Antiquities, | Formed By | B.Hertz, | Corresponding Member Of The Archaeological Institute At Rome, | Now The Property Of | Joseph Mayer, Esq. F.S.A., &c. &c. | Of Liverpool. | [wavy rule] | Which Will Be Sold By Auction, | By Messrs. | S.Leigh Sotheby & John Wilkinson, | Auctioneers of Literary Property And Works Illustrative Of The Fine Arts, | At Their House, 3, Wellington Street, Strand, | On Monday, the 7th of February, 1859, & Fifteen following days, |...[4 lines]...| J.Davy and Sons, Printers, 137 Long Acre.

8°: [4], xxiv, 213, [1 blank]p. Pale tan print wrap, title, etc, on in elaborate decor 3-panel frame. 25.2 x 16.2 cm(9 7/8 x 6 3/8 in). Fe & be untrimmed. JSL.

Cont: tp; sale condits; tab cont; sales days; transl; note; cat; blank p.

The large catalog of the extensive collection formed by Bram Hertz, including disposal of 13 gnostic & abraxoid engraved gems, 213 cameos, 1239 intaglios, 34 gem-set rings, and 210 scarabs, seals, and cylinders, Also sold were many small stone objects from Egypt and three splendid examples of pre-Columbian Mexican inlay work, namely, a wood mask, a sacrificial knife, and a human skull, upon which objects were overlaid turquoise, obsidian, malachite, coral, and nacre. An extended appreciation of of the collection with remarks on the notable engraved gems was originally written by Friedrich Wilhelm Eduard Gerhard(1795-1867, for the journal he founded: *Archäologische Zeitung*, Berlin, 1851(?), not seen, which discussed other objects in the collection besides engraved gems, but here only a part was translated, p i-xxiii, pertaining to engraved gems; no translator is named. The foregoing catalog is incorporated, in toto, in the larger work cataloged under HERTZ, BRAM, which see. See also GERHARD, F W E.

6219. SOTHEBY, WILKINSON & HODGE Catalogue of the Story-Maskelyne collection of ancient gems. The property of W.E.Arnold Forster, Esq. London. [Auction sale:] 4 & 5 July 1921. 334 lots, 4 pls. Not seen; from a London bookseller's catalog of 1954.

6220. SOTHEBY AND CO

Catalogue | Of | A Very Choice | Collection Of Piqué | The Property Of | Major Dent, M.B.E. |...| French And English Work Of The Best Periods, | As Well As The Celebrated | Cabinet And Stand, | Which Were Formerly In The Collections | of the late Sir Julian Goldsmid and the late Duke of Orleans. | The greater part of the collection has been exhibited at the | Castle Museum, Norwich, for the last four years. | [double rule] | Which Will Be Sold By Auction |...| At Their Large Galleries, 34 & 35, New Bond Street, W.(1) | On Wednesday, 11th February, 1925, and following Day |...| Illustrated Catalogues, containing 12 Plates. Price 5s. |...

Sewn & stapled: 26 p; front pl + 11 other photo pls. Dull green wrap, frame & title on covers; sales info inside covers. 28.2 x 22 cm(11 1/8 x 8 5/8 in). Cut. JSL. Lists 272 lots; the photos are of small boxes, a fan, small cases, candlestick, diary cover, bodkin case, and the like.

The catalog is preceded by a "Note on the bibliography and nomenclature of piqué," remarking that "Major Dent wrote in 1923 a small quarto volume entitled "Piqué, a beautiful minor art"... published by "The Connoissur"... illustrates upon the thirty-six plates many of the pieces now offered for sale, and twelve of these plates are here reproduced." Basically, piqué is the delicate ornamentation of tortoiseshell or ivory by inlays of gold or silver.

6221. -----1954

The Palace Collections Of Egypt | [rule] | Catalogue | or | The Highly Important Collection | Of | Works Of Art In Precious Materials | Comprising | Superb 18th Century Snuff Boxes, Needle Cases, Etuis, | Piqué Counter boxes, Nécessaires And Other Objects Of | Vertu | Also | The Very Extensive And Celebrated Collection Of 18th And | 19th Century Watches And Automata By The Finest Makers | And | Richly Jewelled Zarfs, Telescopes, And Presentation | Snuff Boxes Of The 19th Century | The Well-Known Collection Of Fabergé | Jewels And Jewellery | And | Highly Valuable Objects In Solid Gold | The Property of the Republic of Egypt | And Now Sold By Order Of The Government | Which Will Be Sold By An Auctioneer Appointed By The | Egyptian Government At Koubbeh Palace, Cairo | On Wednesday, 10th March, 1954, and following three days | and on Wednesday, 17th March, 1954, and following three days | ... | Professional advisers to the Egyptian Government | in connection with the sale: | Sotheby & Co., |... [1953?]

Edgestapled: 212, [4]p; front glossy photo pl + 59 glossy photo pls on 3 bound-in f at end. Green wrap, title in frame on cover; plain spine; an eagle on back cover. 24.6 x 18.6 cm(9 3/4 x 7 3/8 in). Cut. JSL.

Cont: front; tp; fwd(dtd 1953); order of sales; condits; cat; pls.

Truly an astounding collection! Amassed by past rulers of Egypt, and housed in the Koubbeh Palace, the newly-created Republic of Egypt sold the objects to obtain badly-needed funds for running the country. As the foreword notes, "no sale in modern times can rival the variety, the number or the quality of the small works of art in precious materials... offered for sale."

Aside from precious metals and enamels, gemstones are prominently featured in Fabergé pieces, small carvings, cups, boxes, etc, and particularly in the over 200 zarfs or coffee cup holders, many of which are lavishly encrusted with diamonds and other precious stones. The frontispiece is a view of the palace while the other plates depict as many as a dozen objects on each plate.

6222. -----1959 Westminster Duke of Catalogue of highly important jewels... two historic Arcot diamonds presented to Queen Charlotte and now mounted in The Westminster Tiara. Sotheby, London, 25 June 1959, 58 lots, 4 pls. Not seen; from a London bookseller's catalog of June 1985.

6223. -----1960, 1961 The Kitson Collections, Catalogues of important Chinese jade, cloisonne, amber & lacquer & Chinese ceramics. 23.6 x 17.7 cm. 40 + 36 + 36 p, 88 pl(3 col). Original cloth. Not seen: from Richard Lyon, Engl, Cat Sept 1987, item no 534.

6224. -----1961

Catalogue | Of | Magnificent Jewels |...[22 lines]...| Which Will Be Sold At Auction | By Messrs. | Sotheby & Co. |...[4 lines]...| At Their Large Galleries, 34 & 35 New Bond Street, W.1] Day of Sale: | Thursday, The 22nd Day Of June, 1961 |...[4 lines]...| Illustrated Catalogue (4 Plates), Price 2/- | [rule] |...

Centerstapled: 22, [1], [1 blank]p. Pale green wrap, title in orn boxes on cover; similar boxes back cover. 24.4 x 18.5 cm(9 5/8 x 7 1/4 in).

Cont: tp; sale condits; cat of 63 lots; print data; blank p.

Lot 63, p 22, with b&w photo facing, is described as a "magnificent diamond of elongated cushion shape of mixed cutting, weighing 78.54 carats" and "believed to be the largest unmounted diamond of this quality ever to be offered at auction in this country." In 1933 it was the property of Archduke Joseph Francois, b 1895, the son of Archduke Joseph Auguste by Augustine, Princess of Bavaria, and passed into the hands of the vendor, here simply stated as a "Gentleman," in 1936. This lot, however, was withdrawn during the sale.

6225. -----1963

Catalogue | Of | The Crown Of The Andes | A Magnificent Devotional Crown | in Gold and Emeralds | To Be Sold By Auction | On The Order Of | An American Syndicate | By Messrs. | Sotheby & Co. |... At Their Large Galleries, 34 & 35 New Bond Street, W.1 | Day of Sale: | Thursday, The 21st Day Of November, 1963 |...

Centerstapled: 6, [2]p; col photo of crown tip-in. Stiff, Green wrap in usual format & printing. 24.4 x 18.6 cm(9 1/2 x 7 1/4 in). Cut.

Describes the crown and how it came to be, its subsequent history, exhibitions, and with a facsimile letter from the Vatican granting permission to sell the crown which was once part of the treasure of the cathedral in Popoyan, Colombia.

6226. -----1965

Catalogue | Of | Highly Important | Jewels |...[36 lines]...| Which Will Be Sold At Auction | By Messrs. | Sotheby & Co. |...[3 lines]...| At Their Large Galleries, 34 & 35 New Bond Street, W.1 | Day of Sale: | Thursday, The 18th Of February, 1965 |...[4 lines]...| Illustrated Catalogue (10 Plates, 1 in colour). Price 5/- |...

Edgestapled: col pl + 31, [1]p. Pale green print wrap, usual format. 24.5 x 18.4 cm(9 5/8 x 7 1/4 in). Cut. JSL.

Cont: front; tp; sales condits; cat 132 lots; print data.

The famous "Pandora" black opal, at the time the property of W Howarth, here changed hands for the sum of £ 6200 or USA $17,360, the buyer being a certain Mr Gallop. It is part of the fossilized rib of a plesiosaurus found at Lightning Ridge, New South Wales in 1928, and is described in this catalog as uncut but polished on one surface, 4 5/8 in long, in fitted case, with several documents and press clippings. It was exhibited in 1947 at the British Museum(Nat Hist), London, The finder was Jack McNicol and the details of the find appear briefly in Wilfred Eyles' *The Book of Opals*, p 93, (finder's name misspelled), and the name given is "Pandora Star"; a larger account is in Frank Leechman's *The Opal Book*, 144, 203-5, who gives the weight as 590 ct.

6227. -----1965

Catalogue | Of | Fine Chinese Jades, Snuffbottles, | Works Of Art And Ceramics |...[21 lines]...| Which Will Be Sold By Auction | By Messrs. | Sotheby & Co. |...[8 lines]...| At Their Large Galleries, 34 & 35 New Bond Street, W.1 | Days of Sale: | First Day: Monday, 21st. June, 1965 Lots 1-182 | Second Day: Tuesday, 22nd. June, 1965 Lots 183-361 |...[4 lines]...| Illustrated Catalogue (20 Plates) price 2/6 |...

Edgestapled: photo front pl + 74, [2]p; 32 other photos on 20 pls. Pale grayish-green print wrap, title in boxes; spine title; other information in boxes on back cover. 24.5 x 15.7 cm(9 5/8 x 6 1/8 in). Cut. JSL.

Cont: front; tp; sales condits; cat 361 lots; print data.

Snuffbottles: lots 183-233; jades & hardstone carvings: lots 279-361; many jades are fine, large, important.

6228. -----1969

Catalogue Of | Chinese Snuffbottles |...[29 lines]...| Which Will Be Sold By Auction | By | Sotheby & Co. |...[12 lines]...| At Their Large Galleries, 34 & 35 New Bond Street, W.1 |...| Day of Sale: | Tuesday, 28th October, 1969 |...[2 lines]...| Illustrated Catalogue (4 in colour) Price 15/- (75 p) |...

Edgestapled: 62, [1], [1 blank]p; 57 photos(4 col). Pale grayish-green wrap, in standard format. 25 x 15.8 cm(9 7/8 x 7 3/8 in). Cut. JSL

Cont: tp; advice to customers & gloss; sale condits; cat 189 lots; print data; blank p.

Splendid collection in many materials: glass, interior-painted, porcelain, many kinds of hardstones, lacquer, amber, ivory; excellent photographs.

6229. -----1970

Catalogue | of | Important Jewels |...[8 lines]...| Which Will Be Sold At Auction By | Sotheby & Co. A.G. |...[3 lines]...| At | Zunfthaus Zur Meisen | Münsterhof 20, 8001 Zurich |...| On Tuesday, April 28th, 1970 at 18.30 |...| Illustrated Catalogue (22 plates, 5 in colour) Price £ 1. |...

There is another title in German.

Edgestapled: front col pl + [7], [1 blank], 43, [1]p. Pale gray-green standard wrap. 24.8 x 18.1 cm(9 3/4 x 7 1/8 in). Cut. JSL.

Cont: front; tp; Ger tp; sales condits(Engl & Ger); cat 44 lots; print data.

Includes "a very important cushion-shaped diamond of exceptionally large size weighing 118.00 carats," lot 20, with color photo, of brownish-yellow color, also a natural blue, step-cut diamond of 7.67 carats mounted in a ring, lot 38, and a rare lilac-pink, step-cut diamond of 33.63 carats, with b&w photo, lot 39, color guaranteed natural.

6230. -----1970

Catalogue | Of | Highly Important Renaissance Jewels | Including | The Siren Jewel, Italian, late 16th Century |...[8 lines]...| Also | Rock Crystals |...[9 lines]...| Also | Works Of Art |... [8 lines]...| Which Will Be Sold By Auction | By | Sotheby & Co. |...[11 lines]...| At Their Large Galleries, 34 & 35 New Bond Street, W.1. |...| [rule] | Day of Sale: | Tuesday, 13th October, 1970 |...

Edgestapled: 61, [6], [1 blank]p; 26 col & 19 b&w photos. Stiff pale grayish-green standard wrap. 25 x 18.8 cm(9 7/8 x 7 3/8 in). Cut. JSL.

Cont: tp; sale note; condits; introd; cat 30 lots; biblio 30 entries; blank p; print data; blank p.

Splendid objects from the collection of the late Arturo Lopez-Willshaw (d 1962) of France. "This group of pieces is exceptional by reason of their uniformly high quality. Several of them, including the Siren Jewel (lot 9), which is said to have come from the collection of the Moghul Emperors, the House Altar from the Münich Court Workshop (lot 20), the rock crystal ewer (lot 4) from the Grünes Gewölbe, Dresden, have been exhibited and published already." Among other items are containers carved from gemstones, several attributable to Renaissance masters, and many intricately carved in shallow relief, with precious metal-enamel mountings. The famous Siren Jewel is a richly enameled gold pendant in the form of a woman whose torso is a very large baroque pearl; at the sale it fetched £40,000 or USA $96,000.

6231. -----1970

Catalogue | Of | Chinese Snuffbottles | Hardstones |...[7 lines]...| Porcelain And Yi-Hsing |...[2 lines]...| Enamels And Other Materials |... [5 lines]...| Glass |...[3 lines]...| Interior Painted |...[7 lines]...| Which Will Be Sold By Auction | By | Sotheby & Co. |...[11 lines]...| At Their Large Galleries, 34 & 35 New Bond Street. W.1. |...| Day of Sale: | Wednesday, 28th October, 1970 |...

Edgestapled: 58, [1], [1 blank]p; 11 photo pls. Pale green standard wrap. 24.9 x 18.7 cm(9 3/4 x 7 3/8 in). Cut. JSL.

Cont: tp; sales condits & gloss; cat 278 lots; print data; blank p.

Hardstone bottles lots 1-28; quartzes & serpentines lots 45-60; amber lots 66-71; flat & relief-carved agates lots 72-90; other agates lots 91-108; jadeite & nephrite lots 125-39; carved agate bottles lots 140-53; flat-carved agates lots 154-7; other agates & jaspers lots 158-67; miscellaneous stones(malachite, lapis, turquoise, etc) lots 168-72; corals lots 173-4; opals lots 175-8; crystal & other quartzes lots 179-89; hornbill, amber, and other materials, including ivory, form the remaining lots.

6232. -----1971

Catalogue Of | Important Jewels |...[14 lines]...| Which Will Be Sold At Auction By | Sotheby & Co. A.G. |...[3 lines]...| At | Dolder Grand Hotel, Zurich |...| on Wednesday, November 24th, 1971 at 16.00 |...| Illustrated Catalogue (22 plates, 10 in colour), Price £ 1.50 |...

There is another title in German.

Edgestapled: [7], [1 blank], 27, [1 blank] p + 22 pls(10 col) on 11 f + [1], [1 blank]p. Yellow-brown wrap, title & photo on cover; spine title. 24.5 x 18.2 cm(9 5/8 x 7 1/8 in). Cut. JSL.

Cont: Engl & Ger titles; sales condit in both; cat 118 lots; blank p; pls; publ data; blank p.

In addition to a series of hardstone animal carvings, some by Fabergé, Lot 115, with color plate, is an emerald necklace of large & fine stones from which depends a very large pear-shaped faceted emerald of remarkable color and clarity: "of the ten emeralds... eight, including the large pear-shaped stone, are understood to have formed part of a necklace originally in the possession of the Czar Alexander II of Russia, the pear-shaped stone subsequently having been re-cut into its present shape from a much larger square pendant drop." The stone referred to weighs 75.63 carats.

6233. SOTHEBY PARKE BERNET INC

Sale Number 3461 | Catalogue Price $3.00 · By Mail $4.00 |...[3 lines] ...| Chinese Jade And Other | Semi-Precious Mineral Carvings |...[5 lines]... | Public Auction 1 Friday, January 12, 1973 At 2:00 P.M. |...[2 lines]...| Sotheby Parke Bernet Inc. | 980 Madison Ave. 76-77th Streets | New York 10021 - 212/879-8300 |...

Centerstapled: [4], 15, [1]p; 18 b&w photos. White wrap, title & photo on cover 23.5 x 22.2 cm(9 1/4 x 8 3/4 in). Cut. JSL.

Cont: tp; advice to bidders; sales condits; cat 125 lots; advert.

Vessels, carvings, and screens, large in size and high in quality.

6234. -----1973

Sale 3553 | Catalogue Price $4. By Mail $5 |...[4 lines]...| An Important Collection of | Jewelry and Objets De Vertu | Property Of Gertrude Maud Goldsmith | Public Auction, Thursday, October 11 |...[6 lines]...| Exhibition and Auction at | The New York Galleries of |...

Centerstapled: [38]p; 26 photos(2 col). White, print wrap. title & 4 small col photos on cover; spine title. 23.5 x 22.2 cm(9 1/4 x 8 3/4 in). Cut.

Cont: tp; advice; sales condit; guarantee; gloss mineralogical terms; cat 211 lots; print data.

A collection remarkable for the diversity of the gemstones and the objects, the former including such unusual stones as andalusite, andradite (demantoid), azurite, azurmalachite, benitoite, chlorastrolite, diopside, fuchsite, labradorite, lintonite, obsidian, orthoclase, sagenite, scapolite, sunstone, thomsonite, and verdite, in addition to the standard and better-known species. Among the objects are many small animal carvings, containers, implements, desk furniture, knife handles, trays, etc, plus many conventional gemstone jewelry pieces.

6235. -----1973

Sale Number 3570 | Catalogue Price $5 - By Mail $6 |...[8 lines]...| Magnificent Jewelry | Estate of the Late Elizabeth Irene Anderson | and Property of Various Owners, Including | Jane Fonda | Levinson's, Inc. | Public Auction | Wednesday,

November 7, 1973 at 2:00 P.M. | Exhibition And Sale At | The New York Gallerics Of | Sotheby Parke Bernet Inc. | 980 Madison Avenue (76th-77th Streets) | New York 10021 - (212) 879-8300 | [rule] | Cover Illustration: Number 174

Centerstapled: [38]p; 89 photos(4 col). White, print wrap, col photo of Idol's Eye on cover. 23.6 x 22.2 cm(9 1/4 x 8 3/4 in). Cut. JSL.

Cont: tp; advice; sales condit; gurantee; disclaimer; cat 174 lots; print data.

The Idol's Eye diamond, approximately 70.20 carats, was sold in behalf of Harry Levinson, Chicago jeweler, who originally purchased the gem in Parke-Bernet Galleries, Inc Sale Number 2142, Nov 14, 1962(which see).

6236. SOTHEBY & CO A G

Catalogue | Of | Chinese Snuffbottles |...[23 lines]...| Which Will Be Sold By Auction | By | Sotheby & Co. A.G. |...[3 lines]...| Day of Sale | Saturday, 17th November, 1973 |...| At | Connaught Room, Mandarin Hotel, Hong Kong |...[3 lines]...| Fully Illustrated Catalogue Price £ 1, HK $15 (incl.p. & p.) |...

Edgestapled: 55, [1]p; 19 col photos, 131 b&w photos. White wrap, black lett, title with orn in blue on cover. 24.8 x 18 cm(9 3/4 x 7 1/8 in). Cut. JSL.

Cont: tp; note; gloss; sale condits etc; cat 448 lots; print data.

Mostly bottles made from jade, quartz, agate, other stones, and a fine example in pink tourmaline(color ill); also glass bottles and some interior-painted.

6237. SOTHEBY PARKE BERNET INC

Sale Number 3611 | Catalogue Price $2.50. By Mail $3.00 |...[2 lines] ...| Snuff Bottles And Jade Carvings |...[7 lines]...| Public Auction | Friday · March 8, 1974 At 10:15 A.M. And 2:00 P.M. |...[2 lines]...| Sotheby Parke Bernet Inc | 980 Madison Avenue (76th-77th Streets) | New York 10021 - 212/879-8300 |...

Edgestapled: [3], [1 blank], 75, [1]p; 77 b&w & 1 col photo. White wrap, col photo on cover with title. 23.5 x 22.3 cm(9 1/4 x 8 3/4 in). Cut. JSL.

Cont: tp; advice to bidders; sales condits etc; cat 380 lots.

A sale notable for many large & fine jades, one of which, Lot 52, is a finely-detailed oval green & brown nephrite bowl that fetched $21,000 while Lot 73, a vase in mottled jadeite(?), fetched $25,000. Snuff bottles formed lots 147-380.

6238. -----1974

Catalogue | Of | Highly Important Renaissance Jewels | Including |... [6 lines]...| Also | Rock Crystals |...[5 lines]...| And | Works Of Art | ...[13 lines]...| Which Will Be Sold By Auction | By | Sotheby & Co. |... [16 lines]...| At Their Large Galleries, 34 & 35 New Bond Street, W1A 2AA | ...| Day of Sale: | Monday, 10th June, 1974 |...

8°: 49, [3]p; 17 col, 13 b&w photos. Hardcovers, pale green printed paper, pale gray endp; white dj, col photo on cover. In thin cdbd mailing envelope. 24.3 x 18.5 cm(9 5/8 x 7 1/4 in). Cut. £ 3. JSL.

Cont: tp; note; condits; introd; cat 25 lots; biblio p 49, 18 entries; sales info, other offices; print data.

Includes several splendid rock crystal containers, precious metal mounts with enamelling, also a quartz shell-type cup, mounted, a colorful jasper fragment ornamented with gold & enamels, several carved ivories, and two cups made from trochus shell.

6239. SOTHEBY PARKE BERNET (Hong Kong) Ltd

Catalogue | Of | Fine Jade Carvings |...[6 lines]...| Also | Works Of Art | Including | Two Early Chinese Rugs | Which Will Be Sold By Auction | By | Sotheby Parke Bernet (Hong Kong) Ltd. |...[7 lines]...| Day of Sale: | Friday, 1st November, 1974 |...[3 lines]...| At | Connaught Room, Mandarin Hotel, Hong Kong |...[2 lines]...| Illustrated Catalogue (25 Plates, 6 in colour) Price £ 1.00 HK $25 |...

Edgestapled: 54, [2]p; 8 col photos on 6 pls; 34 b&w photos. White wrap, black lett,title & orn on cover in blue. 24.4 x 17.9 cm(9 5/8 x 7 in).

Cont: tp; condits; gloss, etc; cat 342 lots; print data.

Large, fine jade carvings, including an unusual white jade vase ornamented with appliquees of colored stones; also statuettes; only a few lots are not hardstone pieces.

6240. SOTHEBY & CO

Catalogue | Of | Chinese Hardstone Carvings |...[9 lines]...| Cloisonné Enamels And Other Works Of Art |...[16 lines]...| Export Porcelain |...[8 lines]...| Which Will Be Sold By Auction | By | Sotheby & Co, |...[15 lines] ...| At Their Large Galleries, 34 & 35 New Bond Street, W1A 2AA |...| Day of Sale: | Tuesday, 12th November, 1974 |...[3 lines]...| Illustrated Catalogue (60 Plates, 2 in colour) Price £ 1.75 |...

Edgestapled: 162, [2]p; 175 photos(3 col) on 60 pls, Pale grayish green print wrap, standard format. 24.5 x 18.2 cm(9 5/8 x 7 1/8 in). Cut.

Cont: tp; advice; gloss, etc; cat 376 lots; notes; print data. Lots 1-105 are splendid jades, several of historical significance, and including a fine gold/gem inlaid nephrite ewer of Moghul workmanship, also rhinoceros horn carvings, lot 129-33, several ivories, and the remainder enamels, ceramics, etc. The color plates are of jades.

6241. -----1975

A Collection Of | Egyptian Seals, Scarabs And Signet Rings |...[11 lines]...| Antiquities |...[13 lines]...| Which will be sold by auction | by | Sotheby & Co. |...[2 lines]...| At their large galleries |...[2 lines] ...| Day of Sale | Monday, 21st April, 1975, at 11 a.m. and 2.30 p.m. |... [2 lines]...| Illustrated Catalogue. Price £ 1.50

Edgestapled: 87, [1]p; many dozens of photos. Pale green paper wrap, standard format. 24.5 x 18.3 cm(9 5/8 x 7 1/4 in). Cut. JSL.

Cont: tp; personnel & depts; condits; abbrev; tab cont; cat 300 lots.

Cylinder seals, scaraboids, cowroids, scarabs, rings & signets: lots 1-165; Western Asiatic cylinder seals, stamp seals, and Sassanian seals: 166-221; Minoan seals: 272-80. Excellent, scholarly; many inscriptions are translated.

6242. SOTHEBY PARKE BERNET A G

Catalogue of | Fine Jewels |...[6 lines]...| Which Will Be Sold At Auction By | Sotheby Parke Bernet A.G. |...[4 lines]...| At | Baur Au Lac Hotel, Zurich]...| Thursday May 6th 1976, |...

Cementb: 57, [1]p; 38 photos(3 col). Thick white wrap, gold title & logo on cover in gold frame; black spine title; gold frame back cover. 24.5 x 18 cm(9 5/8 x 7 in). Cut. JSL.

Cont: tp; condits in Engl & Ger; cat 269 lots; estimates; notes.

Outstanding lot: no 254, "a superb and rare step-cut diamond of lilac pink colour weighing 24.44 carats(col photo)." The color as shown in the illustrations is remarkably intense and resembles that of a high quality kunzite.

6243. SOTHEBY PARKE BERNET INC

Sale 3899 | Chinese Snuff Bottles, | Jades, Ceramics And | Other Works Of Art |...[4 lines]...| Public Auction | Thursday, September 23, 1976, at 10:15 a.m. and 3 p.m. | Sotheby Parke Bernet Inc. 1980 Madison Avenue (76th-77th Streets) | New York...

Centerstapled: [72]p; col photo, 96 b&w photos. Black wrap, b&w photo & white title on cover. 23.5 x 22.2 cm(9 1/4 x 8 3/4 in). Cut. JSL.

Cont: tp; gen info; condits, etc; gloss; info; cat 344 lots; advert; estimates; bid form; advice to bidders.

Large variety of fine snuff bottles, also many fine carvings in jade that are of considerable importance.

6244. SOTHEBY PARKE BERNET A G

Catalogue of | Fine Jewels |...[6 lines]...| Which Will Be Sold At Auction By | Sotheby Parke Bernet A.G. |...[4 lines]...| At | Baur Au Lac Hotel, Zurich |...| Thursday, November 18th 1976, | at 10.30 hours precisely |...

Cementb: 100 p; 106 photos(10 col). White wrap, gold lett & logo & frame on cover; black spine title; gold frame back cover. 24.5 x 18 cm (9 5/8 x 7 in). Cut. JSL.

Cont: tp; condits in Engl & Ger; cat 379 lots; estimates.

Aside from a few boxes & unset gems, all jewelry pieces. Among the unset gems: lemon-yellow step-cut diamond, 109.26 carats, Lot 351, estimate 400-500,000 sFr; very fine step-cut diamond of 43.88 carats, set in a ring, Lot 379, estimate 3-3.25 millions sFr.

6245. SOTHEBY PARKE BERNET INC

Sale 3973 | Magnificent Jewelry |...[15 lines]...| Public Auction | Thursday, April 14, 1977 at 2 p.m. | Friday, April 15, 1977 at 2 p.m. | Sotheby Parke Bernet Inc. | 980 Madison Avenue (76th-77th Streets) |...

Centerstapled: [88]p; 73 b&w & 15 col photos, Bright blue wrap, white lett & col photo on cover; white lett spine. 23.5 x 22.2 cm(9 1/4 x 8 3/4 in). Cut. JSL.

Cont: tp; condits, etc; cat 238 lots; next sale; advert; estimates; order form; advice.

The major item is the "Kimberley" diamond, a rectangular, cut-corner step-cut gem of pale yellow, ie, "champagne," color, Lot 238, weight 55.09 carats, illustrated in color. A brief history for same is given. Another important gem, Lot 70, is a cushion-shape mixed-cut alexandrite of 31.66 carats, also illustrated in color. Kimberley estimate: $250-300,000; the alexandrite: $150-175,000.

6246. -----1977

Sale 4028 | Magnificent Jewelry |...[8 lines]...| Public Auction | Wednesday, October 12, 1977 at 2 p.m. | Thursday, October 13, 1977 at 2 p.m. | Sotheby Parke Bernet Inc | 980 Madison Avenue (76th-77th Streets) | New York...

Cementb; [120]p; 137 b&w & 15 col photos. Dk blue wrap, col photo of diamond on cover; silver lett on cover & spine; white lett back cover. 23.5 x 22.2 cm(9 1/4 x 8 3/4 in). Cut. JSL.

Cont: tp; condits etc; cat 330 lots; next sale; estimates; order form; advice.

Curiously, two rings are offered, each set with an alexandrite and both cut in similar oval-brilliant style and nearly weighing the same: Lot 39, 35.50 carats, estimate $130-140,000, and Lot 246, 34.50 carats, estimate $125-150,000. Other important lots: sherry-color pear-shape diamond of 46.39 carats and another diamond, also pear-shape, fine white, 50.67 ct.

6247. -----1979

Sale 712; Fine Chinese Snuff Bottles |...| Public Auction | Thursday, October 11, 1979, at 10 a.m. | PB Eighty-Four | 171 East 84th Street | New York, N.Y. 10028...

Oblong, centerstapled: [48]p; 26 b&w and 3 col photos. White wrap, col photo on cover. 20.4 x 23.2 cm(8 x 9 1/8 in). JSL.

Very diverse, interesting lots, many quite important, 225 lots in all.

6248. -----1980

Sale Number 4346 | Fine Chinese Jades And Works Of Art |...| Public Auction | Thursday, February 28, 1980 at 10:15 a.m. and 2 p.m. | Sotheby Parke Bernet Inc | 980 Madison Avenue (76th-77th Streets) | New York...

Cementb: [112]p; 227 photos(8 col). Pale gray print wrap, green nephrite vase on cover. 23.5 x 22.2 cm(9 1/4 x 8 3/4 in). Cut. JSL.

Of the 388 lots, nos 187-388 are hardstone carvings made from soapstone, malachite, serpentine, several chalcedonic varieties of quartz, many examples of rose quartz and rock crystals, but mostly carvings in nephrite and a lesser number in jadeite. Elsewhere are listed several carvings in rhinoceros horn and ivory.

6249. -----1980

Sale 763 | Chinese Snuff Bottles |...| Public Auction | Wednesday, May 28, 1980, at 10 a.m. | PB Eighty-Four | 171 East 84th Street | New York...

Oblong, centerstapled: [44]p; 21 photos. White wrap, b&w photo on front cover. 20.3 x 23.5 cm(8 x 9 1/4 in). Cut. JSL.

All types, all materials, in 268 lots; with estimates.

6250. -----1981

Sale Number 4551Y | Fine Chinese Jades, Works Of Art | And Snuff Bottles |...| Public Auction | Thursday, February 26, 1981 at 2 p.m. | Friday, February 27, 1981 at 10:15 a.m. and 2 p.m. | Sotheby Parke Bernet Inc. | 1334 York Avenue (72nd Street)I New York 10021...

Cementb: [114]p; 161 b&w and 5 col photos. White & pale brown wrap, with col photo of jade carving. 23.5 x 22.2 cm(9 1/4 x 8 3/4 in). Cut. JSL.

Lots 1-240 snuff bottles in all materials & types, many in hardstones, 316-29 rhinoceros horn, 337-72 hardstone carvings & other ornamental objects of quartz, lapis, coral etc; 373-544

are jades of many types including examples of Moghul work and ather embellished jades, large and small.

6251. SOTHEBY PARKE BERNET S A

The | De Beers | Diamond | The Property of a Gentleman | Which Will Be Sold At Auction By | Sotheby Parke Bernet S.A. | Geneva and Zurich |...| At | Hotel Des Bergues, Geneva |...| Thursday 6th May 1982 |...

Centersewn: 5 doublef with outside blanks pasted down. Two color photos of the gem(top & side). Hardcover, white paper over bds, gilt title in frame on front; back cover with frame only.

A brief history of the diamond, a table of the world's 20 largest polished diamonds, and notes on some exceptionally large examples which are "highly unlikely" to still exist.

6252. SOTHEBY'S

Magnificent Jewelry | Property | to be sold for the benefit of the Salk Institute, La Jolla, California |...| Wednesday, October 17, 1984 |... | Thursday, October 18, 1984... | Sotheby's |...| New York, NY 10021 | ...Catalogues $14 at the gallery, | $16 by mail, $20 overseas |...

Cementb: over [250]p; many ill in b&w and col. Black wrap, col photo of jewelry on cover; silver lett. 26.8 x 20.8 cm(10 1/2 x 8 1/8 in).

Historically important because the famous 'Punch' Jones, the largest alluvial diamond found in the United States, "a greenish-gray octahedron weighing 24.46 carats," was put up for sale. A brief description is given literature is cited, and a color photo provided on which the image measures 18 x 16 mm. Other interesting lots are colored diamonds, antique and modern jewelry pieces, with some formerly belonging to cinema stars Joan Fontaine, Rosalind Russell(d 1976), and Susan Hayward(1919-1975).

6253. SOTHEBY'S HONG KONG LTD

Fine Chinese Jade Carvings | and | Jade Jewellery|... Tuesday, 19th November, 1985 at 3 pm precisely | at | The Furama Hotel, Hong Kong... Sotheby's Hong Kong Ltd...

Edge-fastened: [88]p; 66 col & 31 b&w photos. White wrap, blue lett, col photos both covers. 27 x 20.8 cm(10 5/8 x 8 1/4 in). Cut. JSL.

One of the most remarkable, finely-photographed catalogs that I have seen and most valuable because of the wide range of high quality carved jades and jewel jades that range in age from archaic to modern. Many are depicted, all are described, and the estimates given in HK $. Scholarly remarks are a feature of the descriptions and rarely seen in such catalogs.

6254. SOTTO, ISIDORE DEL

Le Lapidaire | Du | Quatorzième Siècle. | Description | Des Pierres Précieuses Et De Leurs Vertus Magiques, | D'Après Le Traité | Du | Chevalier Jean De Mandeville, | Avec | Notes, Commentaires Et Un Appendice | Sur Les Caractères Physiques Des Pierres Précieuses, | À L'Usage Des Gens Du Monde | Par | Is.del Sotto, | [orn rule] | Vienne. | Imprimerie Impériale Et Royale De La Cour Et De L'État. | 1862.

8°: XV, 213 p; 2 wood engrav pls tip-in at end. 24.8 x 16.3 cm(9 3/4 x 6 3/8 in). Cut, cropped. JSL.

Cont: tp; tab cont; pref tp; pref; blank p; tp to the lapidary; blank p; lapidary text to p 131; list of stones; same list in alphabetical order; blank p; append tp; blank p; append; index; blank p; pls.

Sotto's aims are twofold, to present a faithful copy of the lapidary of Mandeville, published in Paris, 1561, with annotations, and to provide a brief exposition of gemology in order to enable the reader to better understand the matters of which Mandeville speaks that concern gemstones and other ornamental materials. The preface gives a brief survey of the state of knowledge at the time of Mandeville, ca 14th century, biographical notes, previous editions of the lapidary, and some curious lore then extant. The lapidary titlepage is presented typographically in the manner of Mandeville's period, that is, the title is in red & black, the lettering is old-style or "black letter" font, while the chapters of the lapidary are ornamented with scrolls and the gemstone names given in red ink. The effect is quite pleasing but Sotto's annotations are jarring, inasmuch as they are set in a modern type font. Below is given the titlepage of the 1561 edition.

Le grand Lapidaire- | ou sont declarez | les noms des pierres orientelles | avecque les vertus et proprietes d'icelles. | Aussi les isles et pays | ou elles croissent et don ou les aporte. | Compose par | Messire Jan de Mandeville, | Chevalier. | Veu et corrige par plusiers marchans, ayant este esdictz pays et | regions, avecque l'opinion des habitants d'iceuc; | outre les precedentes impressions; | Mil, cinq=cens, soixante et un. | [orn] | A Paris. | Pour Jean Bonfons, libraire, deneurant en la rue neuve Nostre Dame, | a l'enseigne Saint Nicolas.

Following this titleleaf, unnumbered, is the text, with the reproduction and abundant footnotes running to p 131. Mandeville's gem materials include carbuncle, ruby, balas, diamond, agate, sapphire, emerald, topaz, amethyst, garnet, sunstone, moonstone, jacinth, pearl, jasper, and many other stones, some of which are uncertainly identifiable even today, altogether 67 in number. A list of the stones in the order described is given, and another list by Sotto in which stones are identified where known. The second part of Sotto's treatise is an appendix in which the physical properties of gemstones are given to "serve in their identification," plus a descriptive list of precious and semi-precious stones, and as one may divine, there is considerable redundancy and little remarkable information, the chief value of Sotto's work being his republication of Mandeville. It is entered under the latter name in *Brit Mus Cat*, wherein it is stated that the name is probably fictitious and "its bearer is to be identified with Jean de Bourgogne or Burgoyne, chamberlain to John, baron de Mowbray, who took part in rising against the Dispensers, and on Mowbray's execution (1322)fled from England "(DNB, 36, 23). For other editions see under MANDEVILLE.

6255. SOUBEYRAN, J LÉON & DELONDRE, AUG De la pêcherie d'huîtres perlières de Tinnevally et de la culture artificielle des huîtres perlières de la même localité. *Bull Soc d'Acclimatation*, Paris, 4, 1867, 398-415. Kunz & Stevenson, *Book of the Pearl*, bibliography. Not seen.

6256. SOUKUP, EDWARD J Elementary faceting instructions. Copyright 1954, San Diego Lapidary Society, California. Edgestapled: [1 blank], [2], 20, [1 blank]f, printed recto only; author portr. 9 fig. Bright yellow wrap, printed in red with faceted gem on cover. 27.5 x 21.4 cm(10 7/8 x 8 3/8 in). Cut. JSL. Detailed instructions for cutting a standard brilliant, from

rough & preforming, dopping, to grinding & polishing. clearly written, covers all essential steps. Last leaf a glossary.

6257. -----1959

Facet Cutters | Handbook | by | Edward J.Soukup | Graduate Gemologist | Fellow, Gemmological Association of Great Britain | [logo] | Published by | Gems & Minerals, Box 687, Mentone, California [1959]

Centerstapled: 52 p; 76 fig(numbered but not in order). Thick, glossy front cover bright orange, back cover white; resume inside front cover; advert inside back cover. 21.6 x 14.1 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: resume; tp; tab cont & publ data; fwd; text; index; advert.

P 2: "the section... giving detailed drawings and instructions for various cuts has been reprinted from material originally appearing in the magazine Gems & Minerals." First part deals with faceting equipment & accessories, their use, hints, and detailed description of the dopping process. Next are instructions, with diagrams, for faceting 17 styles of gems. An additional section by Charles J Parsons, a close friend of the author, describes the treatment of hard stones, with suggested choices of laps and polishing agents for specific gem materials, and a discussion of faceting angles with table. Rev *G & G*, 9, 9, 1959, 284-5; 10, 11, 1962, 350.

6258. -----1962 [2nd edit]

Facet Cutters a Handbook |...| [logo] | Price - $2.00 | Published by | Gembooks, Mentone, California [1962]

Centerstapled: 64 p; ca 87 fig. Tan-yellow, stiff wrap, dec, with black lett; resume | publ note inside front cover; other publ bks back cover. 21.3 x 14.2 cm(8 3/8 x 5 5/8 in). Cut. JSL.

Preliminary technical information remains the same, but the rest of text, mainly on faceting styles, is reset, and 6 new cuts added, along with a faceting index conversion chart.

6259. SOUTHWELL, T & KERKHAM, J C *Ceylon Marine Biological Reports*, Colombo, Ceylon, 1905-1912, "conducted by the Ceylon Company of Pearl Fishers, Limited."

These reports mainly concern the ecology of the banks and their inhabitants in the waters north of Ceylon. I have seen only the following which concern pearl-bearing mollusks, pearls, and operations of fisheries more or less directly: Vol I, Part 3, No 5, June 1909, "Report on an inspection of those Ceylon pearl banks... between Dutch Bay Point and Negombo, p 145-68, part-col map; Part 4, nos 6-10, May 1910, "Certain scientific work done on the Ceylon Pearl Banks during...1909, p 169-87, 2 litho pls of fauna; Part 5, nos 11-19, Mar 1911, "Report... during... 1910," p 189-230, includes descriptions of the inspection vessels(2 photos), bottom conditions, culturing, trawling, fauna, map of Cheval Paar, 5 litho pls of fauna; Part 6, nos 20-22, Jan 1912, "Report... during 1911," p 231-78, currents(3 charts), nautical notes, fauna(3 litho pls). JSL.

6260. SOUSA E MELLO, HENRIQUE DE

Companhia | De | Diamantes | De | Angola | [orn] | Lisboa | [taper rule] | 1963 [publ by the company, Lisbon]

8°: 172 p, pls includ in pag; fold col map tip-in, 63 photos on 18 glossy f bound-in & occupying p[117-52]. Thick white wrap, title on cover with red orns(within stamped recess); title & rules on spine. 23.6 x 17.2 cm(9 1/4 x 6 3/4 in). Cut. JSL. 10 copies printed on special paper; not seen.

Cont: 1/2tp; print data; tp; quot; spec print note; tab cont; 18 chs; pls tp; pls; biblio tp; biblio(p 155-72, mainly archeological, anthropological, biological refs).

History & activities of DIAMONG in Angola: state of the diamond industry (very brief!), sociology of natives, working conditions, housing, culture, education, and projects underway to improve their lot, in a work that is mostly devoted to extolling the benevolent character of the mining company.

6261. -----1963, Engl transl

Companhia |...| Angola | (Angola Diamond Company) | [orn] | Lisbon | [taper rule] | 1963

8°: 168 p(first f blank), [2 blank]p; same ill. Pale blue wrap.

SOUTH AFRICA DIAMOND INDUSTRY, see DIAMOND INDUSTRY, etc

6262. SOUTH AFRICAN INSTITUTE OF MINING AND METALLURGY

Modern Practices in Diamond Mining | in | Southern Africa | The papers published in this volume were originally published by | the South African Institute of Mining and Metallurgy in a sym- | posium conducted under the heading of "Modern practices in | diamond mining in Southern Africa." | Published by the Secretaries of the South African Institute of Mining and Metallurgy, the | Associated Scientific and Technical Societies of South Africa, corner Marshall and Holland | Streets, Johannesburg, 1961

Edgestapled: [5], [1 blank], 198 p; many photos, diagrs, plans; 1 bound-in fold col pl. Pale green wrap, title on cover. 24.2 x 17.3 cm(9 1/2 x 6 3/4 in). Cut. JSL.

There is a foreword by H F Oppenheimer, an opening address, and eleven articles on various mining engineering problems and methods, followed by a valedictory address.

6263. SOUTH AUSTRALIA DEPARTMENT OF MINES AND ENERGY.

Opal in South Australia | Mineral Information Series [logo] | Department Of | Mines And Energy [Title from wrap only; 191 Greenhill Road, Parkside 5063; 1983]

Centerstapled: 18, [2]p, the covers includ in pag; 1 b&w photo, 29 col photos, 9 col diagrs/maps. Col wrap, col photo of opal. 20.8 x 14.5 cm(8 1/4 x 5 3/4 in). Cut. JSL.

Simply written, comprehensive explanation of precious opal, its nature, type deposits, mining, cutting, etc, with remarks on the famous opal fields in the state. Handsomely illustrated.

6264. SOUTH AUSTRALIA, GEOLOGICAL SURVEY

Some semi-precious and ornamental stones of South Australia. Adelaide, 1980, 159 p, col ill. Not seen. M O' Donoghue, *J Gemm*, 20, 6, 1987, 387: "useful survey with a considerable amount of detail given about the mines, their owners and their production. Opal is not included. There is a map in a pocket at the back of the book."

SOUTHESK, Earl of, see CARNEGIE, H

6265. SOUZA CAMPOS, JOÃO ERNESTO DE Sôbre figuras e canais de corrosão em spodumenio do Brasil. *Univ De*

São Paulo Faculdade De Filosofia, Ciências E Letras Boletin N° 163, *Mineralogia* N° 12, 1953, p 1-18, 15 fig, 14 photos on glossy f includ in pag. JSL. Studies etch figures & corrosion channels on crystals of spodumene from Brazil; notes on crystallography, symmetry, causes of dissolution, etc. Outstanding text drawings.

SOUZA CAMPOS, J E DE, see FRANCO, R R

SOWERBY, G B, see CRICHTON, A

6266. SOXHLET, D The art of dyeing and staining marble, artificial stone, bone, horn, ivory and wood. 1902. 8°. Pagination unstated. Not seen: from a book-seller's catalog, June 1976.

SOYOUTHI, see HABDARRAHMAN

SPARKES, B, see MCLEAN, E W; also RAMSAY, A, 1934

6267. SPEKKE, ARNOLDS

The Ancient Amber Routes and | the Geographical Discovery | of the Eastern Baltic | By | Arnolds Spekke | Mag.Phil., Dr.Phil., formerly Professor of the University of Latvia | [logo] | Published by M.Goppers | (Zelta Ābele - The Golden Appletree) | Stockholm MCMLVII [1957]

A second preface indicates this work was also published in Latvian.

4°: XIII, 120 p; 11 fig, 15 bound-in pls, 8 maps. Red cloth, black panel, gilt, on spine. Dj with antique map ill, advert, resume. Pale gray endp. 23.3 x 16.7 cm(9 1/8 x 6 5/8 in). 30 kr, or $5.80. JSL.

Cont: 1/2tp; tp; publ data; pref to Engl edit; pref to Latvian edit; tab cont; ill list; 5 chs; bibliogr 57 entries.

A discourse on the amber trade between the Baltic tribes and Mediterranean cultures in which the author surveys classical accounts and cites evidence of recent archeological discoveries to demonstrate that this trade existed many centuries before the Christian Era and persisted for several centuries AD. Contrary to popular belief, the trade was in the hands of several Baltic tribes and not in Germanic hands. Interesting, readable, although at times rambling, and most important for clarifying questions regarding the extent and operation of the commerce along the famous "Amber Routes." The author is also known for his *History of Latvia*, Stockholm, 1951, which, however, has almost nothing to say about the amber trade. Scarce.

6268. SPELEERS, LOUIS

Catalogue | Des Intailles Et Empreintes | Orientales Des Musées Royaux Du | Cinquantenaire, Par Louis Speleers | Attaché aux Musées royaux du Cinquantenaire de Bruxelles | [vignette] | Vromant & C°, Imprimeurs-Éditeurs | 3, Rue De La Chapelle, Bruxelles - 1917

8°: 263, [1 blank]p; 247 photos, 3 cuneiform ill, many small diagrs, symbols, etc. Brownish-maroon textured paper wrap, dk brown cover title. Single flyleaves, less broad than text leaves, inserted at each end. 24 x 18 cm(9 1/2 x 7 1/8 in). Uncut. Glossy paper. JSL.

Cont: 1/2tp; tp; introd; biblio(p 81-2, 10 entries); cat; tabs; tab cont; blank p.

Descriptive catalog of Near-Eastern intaglio seals in the museum; these mainly are cylinders but a lesser nunber of other types also present. The large and useful introduction explains the uses of seals, their archeological importance, their forms & inscriptions or symbolism, and their stages of development in the various cultures. The catalog is divided according to civilizations from whence the seals came, while the extended tables list seals by form, motif, and names of persons or divinities, and ends with a table of concordance numbers. Handsome, finely produced.

SPENCE, HUGH SWAINE, see SCHMID, H S DE

SPENCE, JOSEPH(1699-1768)

Brit churchman, poet, writer; b Hampshire; stud Oxford U, entered orders; in 1728 prof poetry Oxford U; traveled extensively on Continent; upon return to Oxford apptd prof mod hist; prebendary Durham Cathedral. DNB (with comments on below).

6269. -----1747

Polymetis: | Or, | An Enquiry concerning the | Agreement | Between the Works of the | Roman Poets, | And the Remains of the | Antient Artists. | Being | An Attempt to illustrate them mutually from | one another. | [rule] | In Ten Books. | [rule] | By the Revd. Mr.Spence. | [rule] | Omnes artes, quae ad humanitatem pertinent, habent quoddam commune vinculum; | & quasi cognatione quâdam inter se continentur. Cicero; pro Arch. | The Verse and Sculpture bore an equal part; | And Art reflected images to Art. | Pope; of Poetry and Statuary. | -Each from each contract new strength and light. | Id. of Poetry and Painting. | [double rule] | London: | Printed for R.Dodsley; at Tully's-Head, Pall-Mall. | M.DCC.XLVII. [1747]

2°: xii, 361, [1]p; pi, a-b^2, B-Zzzz^2; front engrav portr pl of author, bound-in, by Vertue; 41 engrav pls(3 doublep) bound in, 17 engrav tailpcs. 40 x 25 cm(16 x 10 in). Cropped. JSL.

Cont: front; tp; pref; subscriber list; text; list of antiques mentioned; alphabetical list of figs; list of Roman poetical passages; gen index; dir to binder & errata.

The author, a learned classical scholar, traveled extensively in Italy, among other places in Europe, where he examined antiquities, and from the knowledge so gained, attempts here to show the connections between statements made in Roman literature and the works of art left from their culture. For this purpose he employs the device of conversations ("dialogues") between Polymetis, a learned Roman, and his friends, there being altogether 21 such dialogues forming the text. The latter are abundantly footnoted and numerous references are made to the objects depicted in the engravings, many such being engraved gems, but also statues, coins, medals, bas reliefs, etc. His belief in the value of engraved gems as clues to Roman history is consistent with the growth in appreciation of gems both in the British Isles and in Europe. The plates and tailpieces were engraved by L P Boitard, a well-known engraver who settled in England. The locations of gems in collections, and the materials from which made, are shown in the list of antiques, p 329-36. This work, the major accomplishment of Spence, is chiefly remembered for its anecdotes and other matter which R Garnett, DNB, notes as forming "an agreeable book, owing to the urbanity of its old-fashioned scholarship... and its affluent stores of quotation;" Gibbon, *Essay on the Study of Literature*, "full of taste and learning:" It is said that a copy in Josiah Wedgwood's library profoundly influenced his taste and selection of classical designs incorporated in his ceramic productions. The student of engraved gems will find much to attract him in this work but it

is scattered and requires effort to exhume piece by piece. Allibone, 2, 2198; Goodland, 579-80.

6270. -----1755, 2nd edit, corrected

Polymetis: |...| By the Rev[d].Mr.Spence. | [rule] | The Second Edition, corrected by the Author. | [rule] | [quotes as before] | [double rule] | London: | Printed for R. and J.Dodsley, in Pall-Mall. | M.DCC.LV. [1755]

2°: vi, 361, [1]p; pi, A-Zzzz[2]; the init blank f may be conjugate with pi; same ill but see note below. JSL.

Minor corrections; pagination changes due to omission subscriber list. In the first edition, the engrav tailpc p 291, depicts a robed ass addressing two robed gentlemen, one seated on a bench; presumably this is the vignette which satirizes Dr Cooke, probably the same Dr William Cooke(1711-1797) who became provost of King's College, Cambridge. In the present edition, this vignette disappears and its place taken by a male figure wearing a feathered helmet, holding a scroll, and presumably the "Hermes" figure referred to by Allibone, 2, 2198.

6271. -----1764, Tindal abridgment. A guide to classical learning; or, Polymetis abridged. In three parts, I. The rise, growth, and decay of poetry, painting, and sculpture, among the Romans... II. The usefulness of antiques toward explaining the classics... III. A summary of Mr.Spence's inquiry concerning the agreement between the works of the Roman poets, and the remains of ancient artists... By N[icholas]. Tindal [1687-1744], translator of Rapin. London. Printed for J.Dodsley, in Pall-Mall, and R.Horsfield, in Ludgate-Street. 1764. (8), iv, 240 p. 12°. Not seen. From Goodland, 579-30.

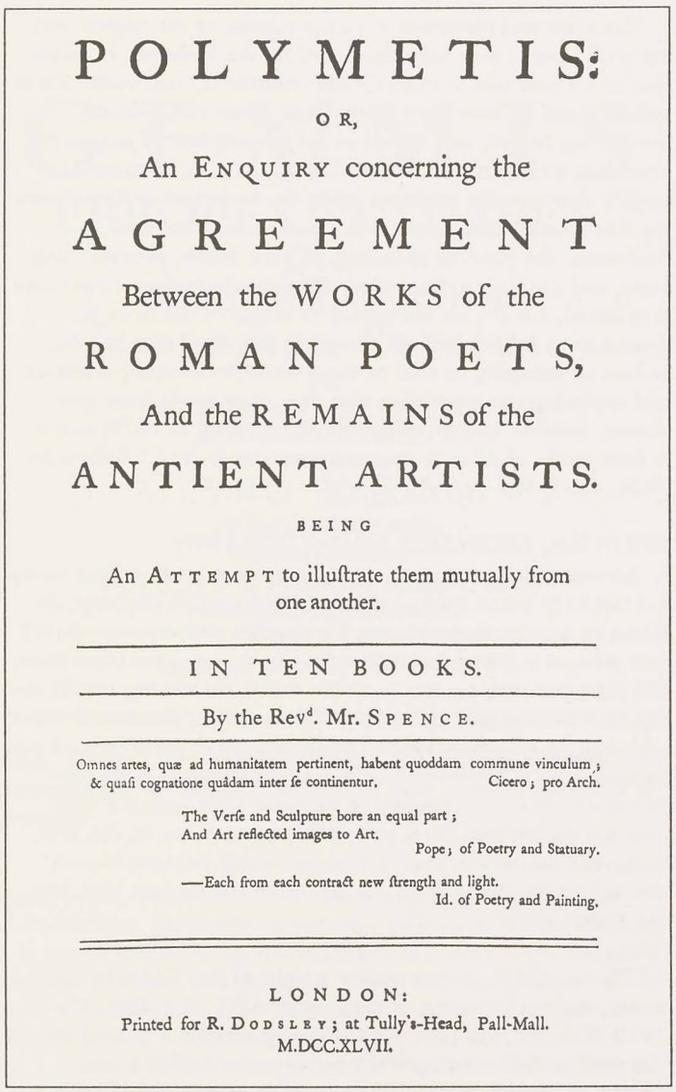
6272.-----1773, 3rd edit Not seen; a bookseller's catalog indicates it to be a reprint of the 2nd edition, with the plates.

6273.-----1777, slightly changed 1764 abridgment, called "fourth edition" by Goodland, 580: 28 prints, London, for J.Dodsley, 1777, (12), xxxiv, 224, (6)p. Pls(one fold), Front. 12°. Not seen.

6274.-----1802, 6th edit. Spence's Polymetis abridged, or a guide to classical learning... The sixth edition, corrected. Illustrated... and particularly adapted to the use of schools. London. Printed for J.Johnson... 1802, (12), xxiv, 166, [6]p. Pls(one fold). Front. 12°. Not seen; from Goodland, 580. The intervening fifth edition not seen.

6275. SPENCER, EDMONDSON A contribution to the study of moonstone from Ceylon and other areas and of the stability-relations of the alkali-felspars. *Min Mag*, 22, 130, 1930, 291-367, Pls XIII-XV, 7 fig(includ sketch map of the Ceylon moonstone field).

Firsthand account of the celebrated deposit of gem moonstone, the geology, mineralogy, method of mining, description of material upon which the microscopic characters & inclusions were determined. Also reported: results of subjection to high temperature to determine effect on the adularescence, with speculations as to cause of latter, which author attributes to a microperthitic structure.



POLYMETIS:

OR,

An ENQUIRY concerning the

AGREEMENT

Between the WORKS of the

ROMAN POETS,

And the REMAINS of the

ANTIENT ARTISTS.

BEING

An ATTEMPT to illuſtrate them mutually from one another.

IN TEN BOOKS.

By the Rev[d]. Mr. SPENCE.

Omnes artes, quæ ad humanitatem pertinent, habent quoddam commune vinculum; & quaſi cognatione quâdam inter ſe continentur. Cicero; pro Arch.

The Verſe and Sculpture bore an equal part;
And Art reflected images to Art.
Pope; of Poetry and Statuary.

—Each from each contract new ſtrength and light.
Id. of Poetry and Painting.

LONDON:
Printed for R. DODSLEY; at Tully's-Head, Pall-Mall.
M.DCC.XLVII.

6269. Titlepage to Spence's "Polymetis", noted for its large number of handsomely engraved works of art of the Roman period

SPENCER, JOHN(1630-1695)

Brit clergyman; attend Corpus Christi Coll, Cambridge 1645, fellow 1655; Dean of Ely 1677; wrote religious tracts, some controversial. Allibone.

6276. -----1669

Dissertatio | De | Urim & Thummim. | In | Deuteron. c.33.v.8 | In qua | Eorum natura & origo, | Non paucorum rituum Mosaicorum rationes, | Et | Obscuriora quaedam Scripturae loca, | probabiliter explicantur. | [rule] | Authore | Joanne Spencero, S.T.D. | Coll.Corp.Christ. in Acad. Cantab. Praefecto. | [rule] | [Cambr. logo] | [rule] | Cantabrigiae, | Impensis Timoth. Garthwait, in Hospitio | S.Barthol. Londini. 1669.

8°: [2 blank], [14], 327, [1 blank], [7], [1 blank]p; A-Y[8]. 17.8 x 11.6 cm(7 x 4 1/2 in). Cropped. JSL.

Cont: blank f; tp; pref; tab cont; errata; text; blank p; subj index; blank p.

The *urim* and *thummim* were the means, or the objects serving such means, that were employed by the Hebrews in divination and about whose exact nature controversy still exists. Some believe them to have been made from gemstones, possibly numbering twelve, and stored in the "breastplate of judgment" according to Exodus 38, 30, and Leviticus 8, 8. Spencer thoroughly discusses the problem citing the basic text of Deuteronomy 33, 8, and other texts, or the uses of the urim and thummim, the possible meanings of both terms, persons using same, and discussing the various texts in which these objects are mentioned. Ch IV, on the nature & origin of the urim & thummim is exhaustive and compares the views of numerous writers of antiquity as well as those closer to contemporaneous, and exploring the possibility that they were made from gemstones. Another edition of this work appeared in 1670; not seen. A later study of urim & thummim was made by J J Bellermann, 1824, which see.

SPENCER, LEONARD JAMES(1870-1959)

Brit mineralogist, civil servant; educ Bradford Tech Coll 1883-6; scient training Roy Coll Sci for Ireland, Dublin, and later, Sidney Sussex Coll, Cambridge, also Munich U; apptd asst Keeper Minerals, Brit Mus(NH) 1893, then succeeded G T Prior as Keeper in 1927; retired 1934, and in same yr in expedit to Libyan Desert; FRS 1925; CBE 1934; pres Min Soc Gt Brit 1936-9; edit *Min Mag* 1901-55, also *Min Abstr*; author of more than 150 papers. Indefatigable in his reviews of current mineralogical & gemological literature, he was intolerant of careless work and made his feelings plain in comments; on the other hand, praise from him was praise indeed! Mem: W C Smith *Min Mag* 32, 246, 1959, 181-4, portr; C E Tilley, *Amer Min*, 45, 3/4, 1960, 403-6, portr; R Webster, *The Gemm*, 28, 334, 1959, 89-90, portr. See also W C Smith "L J Spencer's work at the British Museum," *Min Mag*, 29, 211, 1950, 256-70, also mem in *Proc Geol Soc Amer*, 1959, 1960, 157. DSB 12, 572-3.

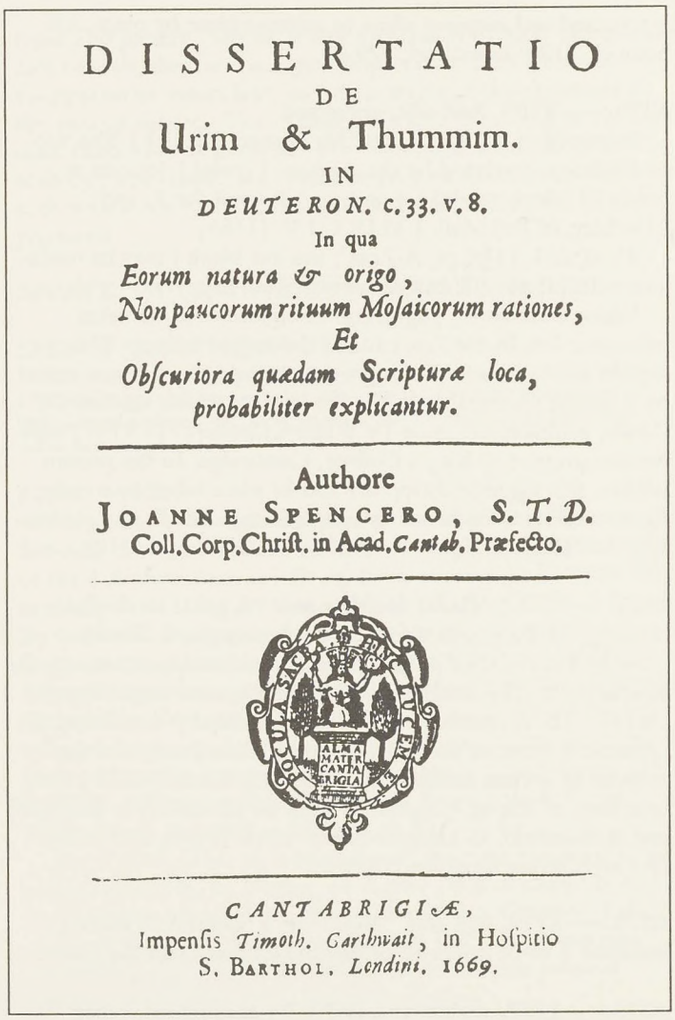
6277. -----1910 Notes on the weight of the 'Cullinan' diamond, and on the value of the carat-weight. *Min Mag*, 15, 71, 1910, 318-26. JSL. Compares differing weights recorded for the diamond and discusses problem of non-standardized carat-weight in history; notes derivation of the term "carat," and its probable equivalency to weights of seeds of several leguminous plants of the Mediterranean region; at this time, the metric standard of carat weight had not been adopted.

6278. -----1936

A Key To | Precious Stones | By | L.J.Spencer | C.B.E., M.A., Sc.D., F.R.S., F.G.S., F.C.S., F.R.G.S. | Editor of the Mineralogical Magazine; Formerly Keeper of Minerals in the | British Museum; Honorary Life Fellow of the Mineralogical Society of | America; Honorary Member of the German Mineralogical Society | Blackie & Son Limited | London And Glasgow | 1936

8°: vi, [1], [1 blank], 237, [3 blank]p; glossy photo front pl tip-in; 11 photos on 7 tip-in glossy f; 57 fig. Unfin tan cloth, brown title on cover & spine. Col dj, with watercolor of rough & cut gems on cover & spine; black lett, other publ bks, resume. A diagrammatic key to the gemstones depicted on the dj forms the endpapers! 18.4 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. 5s. JSL. GS 36-217.

Cont: endp diagram; front; tp; publ data & advert; pref; tab cont; pls list; text tp; 23 chs; index; 3 blank p; endp diagram.



DISSERTATIO
DE
Urim & Thummim.
IN
DEUTERON. c. 33. v. 8.
In qua
Eorum natura & origo,
Non paucorum rituum Mosaicorum rationes,
Et
Obscuriora quædam Scripturæ loca,
probabiliter explicantur.

Authore
JOANNE SPENCERO, *S. T. D.*
Coll. Corp. Christ. in Acad. *Cantab.* Præfecto.

CANTABRIGIÆ,
Impensis *Timoth. Carthwait*, in Hospitio
S. BARTHOL. *Londini.* 1669.

6276. John Spencer, British clergyman, tackles the vexing(and still unsolved) problem of the identity of the Urim and Thummim which could possibly be gemstones

An authoritative, accurate, yet highly interesting work designed for the general public, and embodying the essential facts about gemstones; it achieved instant success and was reprinted a number of times. Copies are commonly found in secondhand book stores. The first part is theoretical, treating properties, chemical composition, geological occurrences and the mining of gemstones, lapidary work, synthetics & imitations, and nomenclature. The second part is descriptive; several organic gemstones are included. This part is particularly interesting because of its lively account of the author's experiences while collecting Libyan Desert glass. A fuller treatment of this material is given in a paper described below. The text figures are largely crystal drawings. A serious mistake on the part of the book designer is the use of endpaper diagrams as descriptive keys to the colored gemstones shown upon the dustjacket, and as may be expected, many copies eventually appear in the secondhand market, sans the dustjacket, thus with endpaper diagrams that serve no useful purpose. Rev E H Kraus, *Amer Min*, 21, 9, 1936, 611; B W Anderson, *The Gemm*, 5, 59, 1936, 263-7; R M Shipley, *G &*

G, 2, 2, 1936, 45; *R & M*, 11, 7, 1936, 110. Reprinted in 1936 and 1937.

6279. -----1946, 2nd edit "A few minor revisions and additions have been made without alteration of the pagination." 7/6. JSL.

6280. -----1946, 2nd edit, New York

A Key to |...| New York | Emerson Books, Inc. | 1946

No edition number stated; identical but bound in dk blue cloth, gold title on cover & spine. 18.3 x 12.5 cm(7 1/4 x 4 7/8 in). Cut. $3.25. JSL.

6281. -----1952, 2nd edit, Lond, reprinted with corrections. 10/6 s. Back dj flap bears reviews; no date in title.

6282. -----1959, 2nd edit, NY, reprint. In pale gray cloth. $4.95.

6283. -----1939 Tektites and silica-glass, *Min Mag* 25, 167, 1939, 425-40, 3 fig, Pls XVI-XVII (8 photos), 5 tab. JSL. Studies of natural silica glasses, provides tables of chemical compositions of tektites, densities & refractive indices, etc, as gleaned from the literature, with plots of densities vs refractive indices, and brief descriptions of Darwin glass and the glass of the Libyan Desert. The last is augmented with information on localities, a map, property data on the glass, photos of site and specimens in rough and thin-sections forms. While this account is based on Spencer's personal participation in an expedition into the Libyan Desert, the actual first account of the glass and its properties is in CLAYTON, P A & SPENCER, L J, "Silica-glass from the Libyan Desert," *Min Mag*, 23, 501-8.

SPENCER, L J, see BAUER, M H, 1904, 1968, 1969;
BRAUNS, R A, 1908, 1912;
CLAYTON, P A & MOON, F W, et al

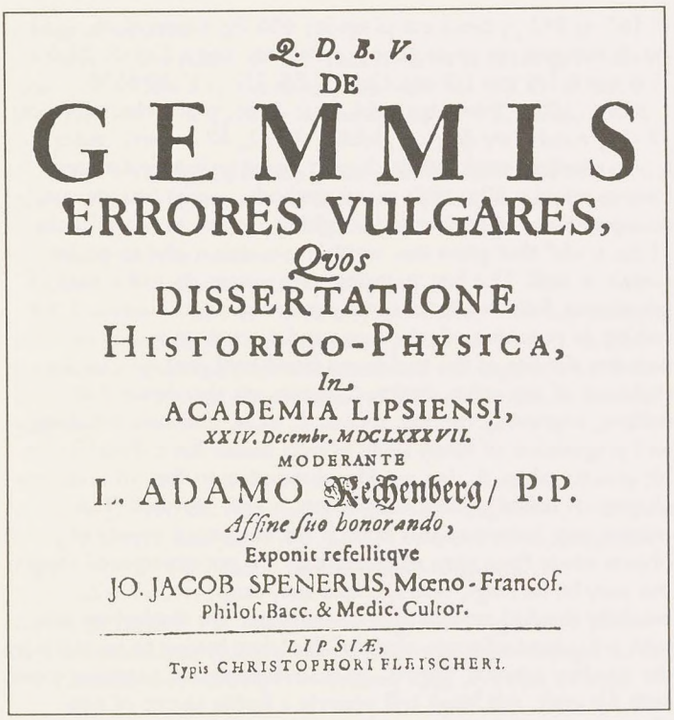
6284. SPENER, JOHANN JAKOB

Q.D.B.V. | De | Gemmis | Errores Vulgares, | Qvos | Dissertatione | Historico-Physica, | In | Academia Lipsiensi, | XXIV. Decembr. MDCLXXXVII. | Moderante | L.Adamo Rechenberg/P.P. | Affine suo honorando, | Exponit refellitqve | Jo.Jacob Spenerus, Moeno-Francof. | Philos.Bacc. & Medic. Cultor. | [rule] | Lipsiae, | Typis Christophori Fleischeri. [1687]

4°: [40]p; A-D⁴. Headpiece, init. 18.3 x 14.9 cm(7 1/4 x 5 7/8 in). Cut. USGS Kunz Coll, GS 34-516.

Cont: tp; blank p; pref; 2 sects; additions.

A doctoral dissertation systematically demolishing common misconceptions of alleged magical, protective, and physical properties of gemstones. The first section quotes at length from previous writers to show how ancient fallacies were uncritically accepted and perpetuated, among such being Pliny, Agricola, Rueus, Bellovacensis, Marbod, and De Boodt. The second section discusses the need for scientific investigation of gemstones to verify or disprove alleged powers. Gemstones here are treated by group according to diaphaneity: "transparent" gemstones, diamond, ruby, sapphire, emerald, garnet, amethyst, hyacinth, beryl, topaz, chrysolite, opal, and cat's-eye chrysoberyl; "semi-transparent" gemstones, sard, chalcedony, onyx, sardonyx,


Q. D. B. V.
DE
GEMMIS
ERRORES VULGARES,
Qvos
DISSERTATIONE
HISTORICO-PHYSICA,
In
ACADEMIA LIPSIENSI,
XXIV. Decembr. MDCLXXXVII.
MODERANTE
L. ADAMO Rechenberg/ P.P.
Affine suo honorando,
Exponit refellitqve
JO. JACOB SPENERUS, Mœno-Francof.
Philos. Bacc. & Medic. Cultor.
LIPSIÆ,
Typis CHRISTOPHORI FLEISCHERI.

6284. Doctoral dissertation (Leipzig) demolishing commonly-held misconceptions of magical, medicinal, and physical properties of gemstones

agate, jasper, and bloodstone; "opaque" gemstones, turquoise and malachite. Despite its brevity this work is important because it is one of earliest to express dissatisfaction with mere, uncritical descriptions taken from previous writers and incorporated in more modern gemological treatises. It urges use of improved knowledge and newly developed investigative procedures to improve future treatises on gemology. Very rare. Adam Rechenberg(1642- 1721), *praeses*.

SPERISEN, FRANCIS J (1900-)

USA commercial lapidary; b San Francisco of Swiss parents; lived through the earthquake/fire of 1906; early interest in gems & minerals; after service US Army, WW I, apprenticed to San Francisco lapidary; became largely self-taught lapidary from 1919 to 1981(retired). Biogr Judy Frosh, *American Craft*, Feb/Mar 1985, 40-3.

6285. -----1938 Gem minerals of California. Calif Div Mines, *Calif J of Mines and Geol*, 34, 1, 1938, 34-78, col pl, 6 fig. Also sep in printed wrap. JSL.

Historical review of gem deposits and mining, with some production statistics, descriptions & sources of gems, but including the precious metals and iron(?), reference, p 74, 19 entries, followed by a brief explanation of the arts of gem cutting. The color plate is of kunzite and the same used in G F Kunz work on California gemstones, Bulletin 37, which see.

6286.-----1950

The Art of the | Lapidary | Francis J.Sperisen | Lapidary | San Francisco, California | The Bruce Publishing Company | Milwaukee [1950]

16°: x, 382 p; front col pl tip-in; 406 fig. Green cloth, gold lett & cut gem on cover & spine. Pale tan endp, Col dj. 23.6 x 15.6 cm(9 1/4 x 6 1/8 in). Cut. $7.50. JSL. LC 50-6533.

Cont: 1/2tp; front; tp; publ data; dedic; pref; ackn; tab cont; 13 chs; vocabulary & gloss; biblio(370-1, 37 entries); index.

An excellent work which though meant primarily for amateurs is actually filled with many methods, special equipments, accessories, etc of the author's devising, as well as many "tricks of the trade" that place this work into a class useful to professionals as well. The first part describes properties and classes of gemstones, followed by chapters on abrasive processes, and the cutting & polishing of cabochons and faceted gems, the last stressing the use of the traditional hand-held jamb-peg to the exclusion of any other device. Chapters are also devoted to drilling, engraving, carving, mosaic & inlay, diamond polishing, and preparation of many small objects meant for industrial uses. Numerous tables & lists are placed together to form the last chapter. A useful vocabulary/glossary is also provided. The outstanding feature of this book is the enormous variety of objects made from gem materials that are not ornamental stones but may be carvings, boxes, containers, rings, etc., all with carefully detailed explanations of how they are worked up and with what kind of tools, some of the latter having to be made by the lapidary himself. For the amateur lapidary approaching ennui with his craft, this book will provide a fertile source of new ideas. Rev B W Anderson, *J Gemm*, 2, 7, 1950, 313-6, and *The Gemm*, 21, 247, 1952, 35-6.

6287. -----1961, rev edit

The Art Of The | Lapidary | [logo] | Francis J.Sperisen | Lapidary | San Francisco, California | [logo] | The Bruce Publishing Company * Milwaukee [1961]

16°: xii, [2], 390, [2 blank]p; 401 fig. Dk red cloth, blind title on cover, gold spine title. Col dj, flap resume & back cover. 23.3 x 15.5 cm (9 1/8 x 6 1/8 in). Cut. $8.00. LC 61-17435. JSL. Col pl omitted.

Cont: 1/2tp; tp; publ data; dedic; pref; ackn; tab cont; text tp; 13 chs; voc & gloss; biblio(385-6, 47 entries); index; blank f.

Text extensively revised with considerable new material added but preserving the original order of presentation. Many new illustrations have been substituted for older ones while many others are reduced in size to allow enlargement of text space. Among new photographs are a number of objects made by the author and said to be "never before... made in America by a professional lapidary(dj)." Some of these are shown upon the dustjacket. Rev *The Gemm*, 31, 370, 1962, 91-2; *G & G*, 10, 11, 1962, 348-9.

This edition, the last, was later offset printed on thicker, duller paper with considerable smudging of photographic illustrations; bound in dk green cloth, stamped as before, with same dj. Price $9.95.

6288. SPERO, SAUL A

Diamonds, | Love, And | Compatibility | (So You Think You've Got a Gem!) | Saul A.Spero | [logo] | Exposition Press Hicksville, New York [1977]

8°: 119, [1 blank]p; several dozen line drawings, mostly of diamond cuts. Bright vermilion cloth, ornate gilt title on cover & spine; yellow endp. White dj, col panel & title on cover & spine; author portr back cover. 20.3 x 13.4 cm(8 x 5 1/4 in). Cut. $7.50. ISBN 0-682-48826-7. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; ackn; pref; text in 2 parts, each with title; diamond shape preference fill-in sheet; blank p.

Spero, member of the New York State Bar, and consultant and appraiser at Sak's 34th Street and Franklin Simon in New York City here presents a unique work which treats in its two parts the "Spero Diamond Shape Game," that is to say, how the personality of a cut diamond buyer can be judged from his or her preference for a specific cut diamond shape. The last page accordingly contains a short fill-in test that is self-administered and is based on selection of a standard cut stone shape, eg, round, pear, marquise, etc. Both parts contain the usual advice on how to buy cut diamonds based on the author's experiences in selling diamonds; he gives several interesting "case" examples of wives and couples, and how they chose diamonds, plus tips. None of the information is unique, and one may infer from the identity of the press, that the author financed publication himself.

SPIESHAMMER, see MARBOD, 1511

SPILSBURY, JOHN(1730?-1795?)

J S, not to be confused with brother Jonathan S, was like him an engraver in London. Jonathan noted as outstanding artist in mezzotint, esp portraits important persons, several of which won awards; John, on the other hand, seems to have done little engraving, the below being his most notable accomplishment; he was drawing master at Harrow School.DNB, noting vital dates as only approx.

6289. -----1785

A | Collection | Of | Fifty Prints | From | Antique Gems, | In The Collections Of | The Right Honourable Earl Percy, | The Honourable C.F. Greville, | And | T.M.Slade, Esquire. | [taper rule] | Engraved by Mr. John Spilsbury. | [taper rule] | Published, January Ist, 1785, | By John Boydell, Engraver, London.

4°: [1], [1 blank], [1], [1 blank] p + 50 numbered, dtd & signed pls, printed recto, one per f, with tissues. 29.5 x 22 cm(11 5/8 x 8 5/8 in). Uncut. Originally in binder's bds(?). LC 12-11888. JSL.

Cont: tp; blank p; list of pls; blank p; pls.

Exquisite engravings of gems selected from the collections named, with each print bearing lines indicating the dimensions, and with gem name, the collection, and dated, the time range being 1781 to 1784, and signed "J. Spilsbury Sculp." The paper size given above is the full-size before any trimming and retains deckle edges. In regard to date, LC 12-11888 gives the date as 1784, perhaps taken from the date on the last plate. A similar copy is described in Marlborough Rare Books Cat 113, London, 1986, no 128. Of this work, C W King, *Antique Gems and Rings*, 1, p 468 notes "a selection of gems ... engraved in 29 [sic] plates... in the manner of Rembrandt. Many of these done with much taste, and with incredible expenditure of labour; but the peculiar style is evidently less adapted to the subject than that used by St.Aubin or Bartolozzi. The plates having fallen into the hands of a Mr. Lumley, they have been retouched, and a new edition printed, in which the impressions are necessarily far inferior to the original publication." A Furtwängler, *Die antiken Gemmen*, 3, 418 who examined a later issue, noted that the engravings were "finely executed but strongly modernized in

a saccharine style." Vinet, 1640. See also Zazoffs, *Gemmensammler*, 1983, 180, "a very rare book."

6290.-----1785, post; another issue, undated

A |...| Antique Gems. |...| T.M.Slade, Esquire. | [double rule] | Engraved By Mr.John Spilsbury. | [double rule] | Published By John Boydell, Engraver, London.

Same; but title & list of pls entirely reset; all paper now appears to be machine-made, somewhat thick & blottery in texture, sans watermarking. P size slightly smaller: 26.3 x 20.8 cm(10 3/8 x 8 1/4 in). Cut.

6291.-----early 1800's(?), undated

Ancient Gems, | From The Collection Of | Earl Percy, Hon.C.T.Greville, | T.M.Slade. | [rule] | Fifty Interesting Plates. | [rule] | Price - - - £ 3 3s. Od. | [orn rule] | London: | Published By J.Boydell.

8°: front pl bound-in + [1], [1 blank], [1], [1 blank]p + 49 pls. Dk purplish-red cloth, blind ruled frame on covers; front bears a gold central frame in Victorian style with title & price within; gold spine title. 23.1 x 15 cm(9 1/8 x 5 7/8 in). Cut. Fe & be untrimmed. Pls on stiff, thick, v pale tan paper. No watermarking. JSL.

Cont: front; tp; blank p; tab cont; blank p; pls.

The title is remarkable for use of a font for the first line in which the letters are made up of tree trunks. All plates rearranged according to alphabetical order of subjects; the largest print, No 50, moved up to frontispiece. This may be the issue that King referred to as being retouched inasmuch as the evidence of same is very plain, eg, numbers, publisher, dates eradicated crudely from the plates, much retouching of darker lines and many lines added to backgrounds. The plates are printed on such stiff, unyielding paper, that only several openings are needed to assure disbinding. Possibly this may account for the relative rarity of this issue.

6292. -----1850's(?) issue Contains the large frontispiece plate but the remaining engravings are printed two to a side, recto, on many of the pls and singly upon others for a total of 49 on 28 leaves. Red cloth, blind scrolled frame both covers; front cover with rect gold frame bearing title, a rule, and price of £4 4s. 21.8 x 14.2 cm(8 5/8 x 5 5/8 in). Cut. JSL.

6293. SPINK & SONS A selection of Chinese carvings in jade on view at Spink and Sons Galleries 5, 6, and 7 King Street, St.James's, London. SW.1. 27, [1]p, ills; buff paper wrap, 21 cm. Not seen; from G M Born, p 314.

6294. -----1927

A | Selection | of | Fine Works of Art | On View at | Spink & Sons' Galleries | 5, 6 & 7, King Street, | St.James's | S.W.1. | Established A.D. 1772. | MCMXXVII [London, 1927]

8°: 96 p; front col pl, cut-out & mounted on pale brown paper, tip-in; 182 photos. Illustrative sections separated by pale brown tip-in titlepages, not counted in pag. Pale brown wrap. 29 x 20.2 cm(11 1/2 x 8 in). Cut. JSL.

The first group of photos, printed on tan paper, includes illustrations of 32 jade & hardstone carvings, all of high quality, with dimensions, period and price. Many are important pieces and some have reappeared in later books on jade.

6295. -----1941(?)

[orn] | Established 1772 | [next 5 lines in circle:] A | Selection | of | Chinese | Carvings | On view at | Spink & Son's Galleries | 5, 6, & 7, King Street, S[t] James's | London, S.W.1. [nd]

8°: [2], 48, [2]p; 100 sepia-tone photos. Thick, tan wrap, col photo of red lacquer vase on cover pasted into a recess, caption below. 20.4 x 16.5 cm(8 x 6 1/2 in). Cut. Wraps overlap. Fe stepped to reveal item names. JSL.

Cont: tp; pref; cat; price note; print data.

A handsome catalog, beautifully illustrated, showing examples of lacquer, wood, amber, soapstone, jade, ivory, horn, various hardstones, glass and rock sculptures and carvings. Each article is identified, dimensioned, and dynasty assigned; prices in pounds sterling.

6296. -----1981 An exhibition of fine jade. London, 1981. 28 p, 79 pls(2 col), 21 x 21 cm, paper wrap. Yang 1069; Han-Shan Tang, London, List 28, 1985, no 32; Richard Lyon, Engl, Cat Sept 1987, no 531. Rev *J Gemm*, 18, 1, 1982, 85.

6297. SPLIETH, W Die Bernsteingewinnung an der schleswig-holsteinischen Küste. *Archiv f Anthropologie u Geologie Schleswig-Holsteins u d benachbarten Gebiete*, Kiel, 3, 1900, 172-85. Not seen.

SPONS, J, see TAVERNIER, J B, 1681

6298. SPONSEL, JEAN LOUIS(1858-1930)

Führer durch das Königliche | Grüne Gewölbe zu Dresden | Vom | Direktor Professor Dr.Sponsel | Herausgegeben von der Generaldirektion der | Kgl. Sammlungen für Kunst und Wissenschaft | [coat of arms] | Mit 20 Abbildungen |:: Preis 1 Mark::| Dresden 1915 | Buchdruckerei der Wilhelm und Bertha v.Baensch Stiftung

8°: stapled sections; XXXI, [1 blank], 335, [1 blank]p. Floor plan; 20 tip-in glossy photo pls. Thick pale gray wrap, title in green on cover. 19.1 x 12.5 cm(7 1/2 x 5 in). Cut. USGS Kunz Coll.

Cont: blank f; tp; tab cont; plan; pls list; fwd; hist; text; blank p.

An excellent, not too detailed guide to the rooms of the Green Vaults of Dresden and the fabulous treasures therein. The preface is a substantial history of the collection. Gemologists will be specially interested in the rooms containing "precious objects" and "jewels," both of which contain perhaps the major number of items manufactured from gemstones or embodying them in their construction. The photographs show a number of rock crystals as well as other jeweled objects.

6299. -----1931, 2nd edit. 352 p, 20 pls. Not seen.

6300. -----1925-32

Jean Louis Sponsel | Das Grüne Gewölbe | zu Dresden | Eine Auswahl Von Meisterwerken | Der Goldschmiedekunst | In Vier Banden | Band I[-IV] | [double rule] | Verlag Karl W.Hiersmann · Leipzig 1925[-32]

The above is the series title; titles & descriptions for each below.

Bd.I: Geräte Und Gefässe | In Silber- Und Goldfassung · Aus Holz Und Stein | Perlmutter Und Muscheln / Ton Und

Glas | Bergkristall Und Halbedelsteinen | Strausseneiern Und Kokosnüssen | [taper rule] | Mit 70 Lichtdrucktafeln / Davon 7 Farbig | Ausgewählt Und Erläutert Von | Jean Louis Sponsel | [logo] | [double rule] | Verlag Karl W.Hiersemann... 1925

4°: [1 blank], [6], [1 blank], 225, [1 blank], [1], [1 blank]p; 70 photo pls (7 col) bound-in, each with tissue. Pls on smoother & thicker paper than text. Dk green cloth, title in gold on cover, enclosed in dot & rule frame; similar decor on spine but also with curved lines, vol no, & gilt title(all on red leather label). Dull gray endp, rivulet pattern of greenish streaks with gold flecking. Dk green cloth inner hinges. 39.8 x 28.4 cm(15 5/8 x 11 5/8 in). Cut. LC 33-14762. JSL.

Cont: ser tp; tp; print data; fwd; hist of vaults; contents summ; pls tp; pls & explan; index of persons mentioned; list of artists & artisans; index of nobility from whom objects obtained; list of depicted objects; motifs; materials; pls index; blank p; print & binding data; blank p.

Beautifully produced, beautifully illustrated,describing and depicting selected treasures from the Green Vaults, in this first volume, the objects in silver & gold, wood, stone, nacre, shell, ceramics & glass, rock crystal, semiprecious stones, ostrich egg, and coconut shell carvings are treated, most showing up well in the skillfully executed pictures. This set of volumes is now extremely scarce.

Bd.II: Gefässe | Figuren Und Uhren | Aus Gold Und Silber Verziert In Reiner Metall- | Technik/Oder Besetzt Mit Juwelen | Kameen Und Email | [taper rule] | Mit 70 Lichtdrucktafeln/Davon 7 Farbig | Ausgewählt Und Erläutert Von |... 1928

4°: [1 blank], [3], 303, [1]p; 70 photo pls(7 col), tissues, bound-in.

Cont: blank p; ser tp; vol tp; print data; text; pls tp; pls & explan; persons mentioned; objects depicted; motifs; materials; techniques; dates of manufacture; places of manuf; collections of art objects; pls index; press & binding date.

Vessels, figurines, timepieces, made from gold & silver, and/or set with gems, cameos, and enamels.

Bd.III: Kleinodien | Der Goldschmiedekunst | Verziert Mit Email Und Juwelen | Erzeugnisse Der Steinschneidekunst In Bergkristall | Und Farbigen Steinarten In Kostbarsten Fassungen | Galanteriewaren Und Nippesfiguren | Kabinettstücke | [taper rule] | Mit 59 Lichtdrucktafeln, Davon 7 Farbig |...1929

4°: [1 blank], [3], 293, [1], [1 blank] p; 59 photos(7 col), tissues, bound-in.

Cont: blank p; ser tp; vol tp; print data; text; pls tp; pls & explan; persons mentioned; depicted objects; motifs; materials; techniques; dates of manufacture; places of mfr; collections; index to pls; press & bind data; blank p.

Crown jewels, regalia, etc, decorated with enamel & jewels, lapidary creations in rock crystals, colored stones, and costly fastenings, fanciful figurines & knick-knacks, also cabinet pieces.

B.IV: Gefässe Und Bildwerke | Aus Elfenbein | Horn Und Anderen Werkstoffen | Stein, Holz, Bronze, Eisen | [taper rule] | Mit 64 Lichtdrucktafeln, Davon 3 Farbig | Ausgewählt Von | Jean Louis Sponsel / Erläutert Von | Erich Haenel |... 1932

4°: [1 blank], [3], 173, [1 blank], [1], [1 blank]p; 64 photo pls(3 col), tissues, bound-in.

Cont: blank p; ser tp; tp; print data; fwd; text; pls tp; pls & explan; persons mentioned; places of origin; collections of art objects; pls index; press & binding data; blank p.

This last volume covers vessels and pictorial representations in a variety of materials, ie, ivory, horn, stone, wood, bronze, iron.

6301. SPRAGUE, G M

An Easy Guide | To | Stones In Jewellery | By | G.M.Sprague, A.M.I.Mech. E., F.R.G.S. | Fellow, Tully Medallist, | And Anderson Prizewinner | Of The Gemmological Association | Of Great Britain | Schindler's Press, Cairo | 1949

8°: 67, [1], [1 blank]p; 19 fig. Green cloth, dk green title on cover; white dj with green lett & pale red vignette(a gemologist examining a stone). 24.1 x 17.2 cm(9 1/2 x 6 3/4 in). Cut. JSL.

Cont: tp; dedic; tab cont; ill list; pref; note; corrigenda slip tip-in; text tp; 20 chs; appends; index; print data; blank p.

Well-written brief guide to identification procedures. The first part of the text explains gemstone properties and how these are measured and with specific instructions on tests and the instruments needed to perform them. (a) transparent gemstones(arranged by color), and (b) translucent to opaque species or materials. Appendices: list of suppliers, biblio(6 entries), tables of dichroic stones, Chelsea filter results, property tables. An uncommon work. Rev *J Gemm*, 2, 7, 1950, 310-11

6302. SPRENGEL, PETER NATH[AN(?)]

P.N.Sprengels | Handwerke | Und | Künste | in Tabellen, | [rule] | Mit Kupfern. | [rule] | Bearbeitung der Edelsteine, des Bleyes, | des Kupfers und des Messings. | [woodcut orn] | Vierte Sammlung. | [double rule] | Berlin, | im Verlag der Realschul=Buchhandlung. | 1769.

8°: [16], 151, [3], [2 blank]p;)(^{8}, A-O^8; 4 engrav pls; ch orn, inits. 17.3 x 10.2 cm(6 7/8 x 4 in). Cropped. USGS Kunz Coll, GS 34-345.

Cont: tp; dedic; pref; tab cont; text; blank f; pls.

A book on handwork and manual arts as applied to the working of gemstones, lead, copper, and brass. Part I: "The artisan who cuts stones," p 1-49, with Pl I. Treats diamond cutting, cutting of other gemstones, gem engraving, and the "table" cutter or a lapidary who prepares "plates out of semiprecious stones, hollowing them out to make containers and building figures." Describes various lapidary processes, machines, and accessories as used by diamond and other gem cutters, and for the worker in stones other than diamond, the author provides brief descriptions. A similar treatment is accorded the engraving of gemstones but this section deals mainly with the tools and methods. From the few pages devoted to lapidary work, it is understandable that only a cursory overview is given.

6303. -----1790, 2nd edit

P.N.Sprengels | Handwerke | und | Künste | in Tabellen. |...| Vierte Sammlung. | [rule] | Zweite verbesserte Auflage. | [double rule] | Berlin, | im Verlag der Königl. Realschul=Buchhandlung. | 1790.

8°: [16], 224 p;)(^{8}, A-O^8; 4 engrav pls, etc. 19 x 12 cm(7 1/2 x 4 3/4 in). Uncut. USGS Kunz Coll, GS 34-236.

Cont: tp; dedic; pref; tab cont; text; pls.

Text essentially the same as above

6304. SPRONSEN, E A VAN; LAP-BEERMAN, J A & HUISSMAN, H [Articles on amber in the following journal & as described below:] *Grondboor & Hamer, Tijdschrift van de Nederlandse Geologische Verenigung*, 31 Jg, No 5, 1977.

1: "Barnsteen" by E A van Spronsen, p 130-51, 13 ill, composition, inclusions, medicinal uses, occurrences in the Tertiary of the Netherlands; an excellent, well-illustrated contribution. 2: "Brons van barnsteen" by J A Lap-Beerman, 152-3, amber finds in Denmark and possible interchanges of amber in Bronze Age. 3: "Over het voorkomen van bruinkoolhout en barnsteen in de ondergrond van van Noord-Nederland en Noord-Duitsland" by H Huisman, 154-60, 4 ill, 7 ref, on connection between finds of amber and Plio/Pleistocene brown coal layers in a sand pit near Schoonlo, Netherlands

SPURGEON, CHARLES HADDON(1834-1892)

Brit clergyman; an enormously popular preacher, staunch Calvinist; many of his lectures published in book form

6305. -----1892, post

What The Stones Say | Or | Sermons in Stones | By | C.H.Spurgeon | [rule] | Illustrated | [rule] | With Notes By J.L.Keys | For 25 Years Secretary And Literary Assistant To The Late | C.H.Spurgeon | Introduction | By Pastor Thomas Spurgeon | London | Christian Herald Publishing Co. | Limited | Tudor Street, E.C. | All rights reserved. [nd]

8°: xvi, 126, [2 advert]p; photo with tissue on p [iv] serving as front; 28 text wood engrav; ch orns. Dk red or yellowish-brown cloth, black horizontal rules & ornate Victorian-style gold & black lett on cover; rules & gold lett spine; black rules only on back cover. Bev bds. Pale tan, crackled-design endp. 18.4 x 12.4 cm(7 1/4 x 4 7/8 in). Cut. JSL.

Cont: 1/2tp; front; tp; publ data; introd; tab cont; append list; ill list; text; index of texts; advert.

Collected sermons based on "books in running brooks, sermons in stones, and good in everything," hence we find great diamonds, royal crowns, and industrial diamonds treated on pages 31 to 42, and appendices H through K dealing with the Regent, Koh-i-noor, Orlov, and Great Sancy diamonds, 108-22. A short bibliography, 123-4, lists several works on gemstones. Not much here of value

6306. SQUIER, EPHRAIM GEORGE(1821-1888)

Observations | On The | Chalchihuitl | Of | Mexico And Central America. | By | E.G.Squier, M.A. | Fellow Of The Antiquarian Society Of London; The Royal Society Of Antiquaries | Of Denmark; The Anthropological Societies Of London And Paris, Etc. | [wood engrav vignette] | [rule] | Extract From The Annals Of The Lyceum Of Natural History Of | New York. | [rule] | New York: | 1869 [orig publ in the Annals, 1869, p 246-65, 19 fig]

8°: [1], [1 blank], 22, [2 blank]p; 19 wood engrv. In print wrap(?). 22.1 x 14.2 cm(8 3/4 x 5 5/8 in). Cut. LC 2-4892.

An important early paper on the jades and jade-like green stones employed in ornaments and small carvings by the Indians of Mexico and Central America. He discusses the term "chalchihuitl" as used by early writers, possible synonomy, notes that the term "quetzalitztli" was applied to emerald, and referred to the brilliant green plumage of the quetzal bird or *trogans resplendans*, and further noted the high esteem in which such green stones were held. Some early Spanish accounts are given, including one from Cortez. Suggests uses of the carved objects, the various minerals and rocks employed in their manufacture, and lapidary techniques. The types of objects include plaques, personal ornaments, lip plugs, hatchet blades, and small animal sculptures. The importance of this work is rccognized by H Fischer, who comments at length upon it in his *Nephrit und Jadeit*, 1880, 263-71, which see

6307. SREBRODOLSKIY, BORIS IVANOVICH

Akademiya Nauk Ukrainskoy SSR | Institut Geologii | Geokhimii | Goryuchikh Iskopaemikh | B.I.Srebrodolskiy | [rule] | Yantar | Ukrainy | Kiev "Naukova Dumka" 1980

8°: 121, [3]p; 3 col photos on one glossy tip-in f; 24 fig(map, line drawings); 26 photos, 21 tab. Col print wrap, col photo of amber specimens on cover. 21.7 x 14.4 cm(8 1/2 x 5 5/8 in). Cut. Press run 1000 copies. 1 r 20 k. JSL.

Cont: tp; resume & edit data; pref; text; concl; biblio(p 121-2, 42 entries); tab cont; publ data.

A monograph on Ukrainian amber: its cultural history, geology of the deposits, amber types, economic deposits, mineralogical characteristics of the amber, composition, optical & physical properties, internal features, absorptions, inclusions, granular and other formational features, shapes of rough, origin, and conclusion. Photos, including those in color, are of rough specimens. References mainly of Russian sources; only several in other languages

6308. -----1984

Akademiya Nauk SSSR | Seriya "Chelovek i okruzhushchaya sreda" | B.I. Srebrodolskii | Yantar | [logo] | Izdatelstvo "Nauka" | Moskva 1984

Cementb; 107, [5]p; 17 photos on 4 glossy f bound-in but not includ in pag. Col wrap, col photo of amber wall panel on front; other bks of publ back cover. 19.9 x 12.4 cm(7 7/8 x 4 7/8 in). Press run 140,000. 45 k. JSL.

Cont: tp; resume; pref; text; summ; biblio(p 107-8, 31 entries); tab cont; publ data; other bks of publ.

A general work on amber aimed at the public: properties, composition, raw shapes, uses in the arts, masterpieces made from amber(generally large, assembled objects), inclusions in amber, deposits, origin, types of amber, mining methods and production

6309. -----1984

Akademiya Nauk Ukrainskoy SSR | Institut Geologii | Geokhimii Goryuchikh Iskopaemikh | B.I. Srebrodolskiy | [rule] | Geologicheskoe | Stroenie | | Zakonomernosti | Razmeshcheniya | Mestorozhdeniy | Yantarya SSSR | Kiev Naukova Dumka 1984

Edgestapled: 164, [3]p; 30 fig; 26 tab; 46 photos on 10 glossy f bound-in between p 80-1. Bright yellow wrap, cover photo. 19.9 x 14.3 cm(7 3/4 x 5 5/8 in). Cut. Press run 500. 1 r, 4 k. JSL.

Cont: tp; resume; pref; text; summ; biblio(p 158-65, 170 entries, nos 1-101 in Russ); tab cont; staff mbrs; publ data,

On the geology of the amber-yielding deposits of the USSR, including mineralogies, typical inclusions, compositions, etc

6310. -----1985

Akademiya Nauk SSSR | Seriya "Chelovek i okhruzhayushchaya sreda" | B.I.Srebrodolskiy | Zhemchug | Otvetstvenniy redaktor | kandidat geologomineralogicheskikh nauk | N.A.Sozinov | [logo] | Moskva | "Nauka" | 1985

Cementb: 134, [2]p; 2 text fig; 17 photos on 4 bound-in f between p 64-5, not includ in pag; 5 tab. Black, white & blue

wrap, yellowish photo on cover; resume of another work back cover. 19.8 x 12.5 cm(7 3/4 x 4 7/8 in). Cut. Press run 120,000. 50 k. JSL.

Cont: tp; resume; introd; text; summ; biblio(p 133-5, 60 entries); tab cont & publ data.

On pearls: genesis, characteristics, composition of organic & inorganic portions, mineralogy, investigations, culture, uses of pearls in jewelry and ornament, and other topics, all of which provide the first modern work on the subject in the Russian language

STACEY, JOSEPH, see ARIZONA HIGHWAYS TURQUOISE BLUE BOOK

STACKELBERG, M v, see CHUDOBA, K & STACKELBERG, M v

6311. STAFFE, BARONNE(d 1911)

Baronne Staffe | [orn] | Bibliothèque De L'Élégance Féminine | [rule] | Les Pierres Précieuses | Et | Les Bijoux | [orn] | Paris | Chamuel, Éditeur | 79, rue du Faubourg Poissonière. | M DCCC XCVI [1896]

8°: 184 p; ch orns. Orange-tan wrap, blue title on cover; oval orn back cover. 16.5 x 12.6 cm(6 1/2 x 5 in). Uncut. Fe & be untrimmed. USGS Kunz Coll, 34-237. JSL.

Cont: blank f supplied + 1/2tp; other bks of author; tp; first pt tp; text; 2nd pt tp; text; index to both.

A popular, simply-written book in two parts, the first on gemstones and the second on jewelry. Gemstones are treated in alphabetical order, beginning with agate, under which, however, appear numerous varieties of chalcedonic quartz that are not properly termed "agate," and then passing through the usual array of gemstones but including one or two oddities as the lodestone and "kokeul" or kohl, the eyelid and eyelash pigment! Almost nothing is given on properties of the stones described, except color, and no constants whatever, nor even a mineralogical identification, Instead, each stone is described in terms of its mystical, magical, or medicinal properties, or such other matters which to cultural rather than scientific aspects. The author knew little of gemstones when he wrote this work but apparently it proved popular enough for a "quatrième edition" which I examined, as given on the wrapper, but which proved to be nothing more than a fourth reprinting

STAINPEISS, M, see LAPIDARIUM OMNE VOLUPTATE

6312. STAMM, E Der Bernstein. *Gaea*, XV, Köln und Leipzig, 1879, p 100-5, 174- 7, 408-14. Not seen; from G R v Bock, 1981, p 180

6313. STAM-PORTAS, H A

Metaphysische Bibliotheek - No.3 | [rule underline] | [vert double-rule to left] De Magie Der | Edelstenen | Door | H.A.Stam-Portas | [logo] | Rijswijk (Z.-H.) V.A.Kramers [vert double-rule to left of remainder of title] [nd, ca 1936?]

8°: 56 p. Pale tan thick paper wrap, title in black with faceted gem on cover; spine title; other publ bks back cover. 20 x 15.4 cm(7 7/8 x 6 in). Uncut. Thick, blotter-like pale tan paper. JSL.

Cont: tp; fwd; introd; text.

Brief coverage of gemstone curious lore: diamond, ruby, emerald, sapphire, amethyst, topaz, turquoise, opal, lapis lazuli, moonstone, garnet, rock crystal, tourmaline, carnelian, jasper, onyx, agate, chrysoprase, aquamarine, amber, coral, and pearl. A short section treats the "pendulum," that is, any object suspended from a string that is hung near a sensitive subject and supposedly set into characteristic motion through the influence of the field generated by the subject

6314. STANNER, H, editor Edelsteine und Metalle in der Bijouterie. Zürich: Rascher Verlag, 1953. DM 15.- Not seen; following information taken from the review by K Schlossmacher, *Zs Dt Ges Edelsteink*, 6, 1953/54, 22-3.

A brief, elementary text providing jewelry sales people the essential facts on gemstones and metals used in jewelry. Topics: properties of gemstones, glossary of terms, important cutting styles(illustrated with 4 plates), the lapidary industry, coloration of gem materials, brief descriptions of the most important gemstones. There are also brief discussions of composite, imitation, and synthetic gemstones, and a list of accepted species and varietal names. The four color plates are borrowed from F Eppler's *Edel- und Schmucksteine*. The final chapters treat the metals

6315. STANTIEN UND BECKER Katalog des Bernstein-Museums von Stantien u. Becker in Königsberg. Nebst Geschichte des Bernsteins. Königsberg: 1889, 8°, cloth, 103 p. Not seen

6316. STARK, WALTER

Walter Stark | Marah | Die Bibel weist | modernster Wissenschaft | den Weg | [logo] | Ariston Verlag · Genf [1975]

Cementb: 259, [1 advert]p; 26 ill. Dk blue leather-type paper over bds; gilt title on cover & spine; col dj with resume, tab cont. 20.7 x 14.1 cm(8 1/8 x 5 1/2 in). Cut. DM 28. ISBN 3 7205 1133 2. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; introd; 6 chs; biblio p 251-9; advert.

The name "Marah" in the title is taken from the place of the same name on the west coast of Sinai where the Israelites halted after crossing the Red Sea. The author heads a team that investigates little-understood phenomena such as mental transmission, acupuncture, auras, living cells as computers, diseases and unconventional cures for same, etc. A large section on the curative powers of gemstones, p 180-215, is entitled "Gemstone medicine and cosmic irradiation," referring to Hindu beliefs as expressed in the treatise on Hindu gemstone medicine by B Bhattacharyya, which see, and from which the author derives much of his information

6317. STARKEY, LLEWELLYN H & GIRSCH, C W, editors

The | Diamond Fields | of | Brazil [New York, 1904]

Title from cover; there is no text title.

Centersewn: 40 p; doublep view of diamond properties at Datas and forming the centerfold; sketch map tipped to last f. Pale gray wrap, title in raised blue lett on cover, with small diamond orn; blue silk tie. 18.1 x 12 cm (7 1/8 x 4 3/4 in). Cut. JSL.

A brochure promoting investment in the Datas area diamond mines in the State of Minas Gerais, Brazil; these lie south of the

city of Diamantina. The text consists of short articles by various authorities on the diamond mines of Brazil, one of which, by W G Meyer, of Diamantina, describes the Datas diamond & gold fields

STATHAM, P M, see McLINTOCK, W F P, 1983

STEARNS, JOHN, see BABINET, J

STEELE, N, see LONG, R

STEENSTRA, BENVENUTO, see SBORNIK NARODNIHO MUZEA

STEIERMAN, B L, see INSLEY, H, et al; also KRAUS, E H, et al, 1946

6318. STEIN, NACHUM Evaluating diamonds: beauty, value, investment, 150 p, 554 4-col & 45 other ill. 1981. $80.00. Not seen; from rev by Charles L Wells, Jr, *JCK Book Club News*, Spring 1982, p 1.

The contents consist of a historical introduction and three general sections on what is needed to be known before buying a diamond, diamond as investment, and a guide to investment. "An impressive volume, with gilt-edged pages, bound in what appears to be genuine black leather. However, as far as the contents are concerned, it is a typical "investment pitch" on a grand scale, written by a supplier of investment diamonds with the apparent purpose of instilling the confidence of experts in superficially informed laymen." Further, "the book has little practical value for the jeweler-gemologist other than to provide insight into the sales and promotion techniques of the investment diamond market." Also rev: F de Witt & A S Diggle, *Industrial Diamond Quarterly*, no 31, 1982/ II, p 151-3, and more favorably as may be expected in a journal sponsored by De Beers

6319. STEINBACH, KURT P

Kurt P.Steinbach | Ein Strauss Edler Steine | Alles + Brillant · D-6382 Friedrichsdorf [above, a line drawing of a floral bouquet, with all enclosed in double-rule frame; West Germany, 1969]

Cementb: cemented double-leaves; 148 p; 20 col photos on 20 glossy cemented-in f, includ in pag. Pale blue cloth, title, bouquet, and double-rule frame in white on cover, with 3 depressions in which are cemented 3 flattish tumbled gemstones(jadeite, tigereye, dyed sard, the last a polished thin slab). White spine title. Pale green endp. 18 x 15.1 cm(7 1/8 x 6 in). Cut. The text paper, but not the illustration stock, is pale green, charcoal paper ribbed. JSL.

Cont: 1/2tp; tp; publ data; fwd; introd; 3 prelim chs; 20 descriptive chs; birthstones & zodiacal gems; biblio(p 147, 18 entries); index.

A handsomely-produced work whose principal feature is a series of color plates, each depicting cut & rough gems within a circular photograph against a blue-gray background, and with explanation and mineralogical relationships placed on the reverses. These are of good quality on the whole, but several are only fair, and all suffer from being contrasted to the background hue. The text, printed in unusually large-size type, presents the popular view of the world of gemstones and imparts no new or startling information. A remarkable and not altogether favorable feature is the implantation of real gemstones into front cover recesses which are not deep enough and make it inadvisable to shelve the book against others

6320. STEINBÜCHEL VON REINWALL, or RHEINWALL, ANTON(1790-)

Geschnittene Edelsteine. | Von | Anton Steinbuchel Edlen von Reinwall, | emerit. Direktor des k.k. Antiken-Kabinetes und der Ambraser Sammlung, | Ehrenmitgliede des kärnt. Geschicht=Vereins e.c. e.c. e.c. [sep: *Archiv für vaterländische Geschichte und Topographie*, 11, [Klagenfurt, 1867]]. 8°: 73, [1 blank]p; pale brown wrap, title in orn frame on cover. 22.7 x 14.2 cm (8 7/8 x 5 1/2 in). Uncut. USGS Kunz Coll, GS 34-812. Cont: tp;, text; notes; review; blank p.

A learned dissertation on engraved gems, with extended remarks on the gemstones anciently employed for this purpose.

6321. STEINGRÄBER, ERICH

Erich Steingräber | Alter Schmuck | Die Kunst des europäischen Schmuckes | Verlag Georg D.W.Callwey. [München, 1956]

8°: 191, [1]p; col pl tip-in at p [3]; 7 other col photos; 333 b&w photos; 3 line drawings. Pale gray unfin cloth, gold rose on cover, gold spine title; White dj, col photo, black title; small col photo back cover; flap resume. 28 x 24.9 cm(11 x 9 7/8 in). Cut. First 2 gatherings are plain paper, remainder glossy. DM 44.- JSL.

Cont: 1/2tp; inscript; front; tp; publ data; tab cont; introd; 9 chs; concl; biblio(p 187-8, 97 entries); index; photo credits,

One of the best modern books on the subject; it quickly established its authority and esteemed substance, passing into several translations, as described below. There are 9 essays on European jewelry from AD 800 to AD 1900, with a short introduction which provides some information on gemstones and a summary table of their properties as well as sources of rough gemstones. It is illustrated with cutting style diagrams and outline sizes of square-cut brilliants. Elsewhere, gemstones frequently figure in text and illustrations. All editions of this work retain their desirability

6322. ------1957, London

Antique | Jewellery | Its History In Europe From 800 to 1900 | By Erich Steingraber | 341 Illustrations | 8 Colour Plates | [logo] | Thames And Hudson · London [Transl by Peter Gorge; 1957]

The frontispiece color plate now faces the title. 63 s net. JSL. Arntzen, P590

6323. -----1957, New York. Praeger; not seen; Chamberlin, 1902.

6324. -----1957, Stockholm

Erich Steingräber | Gamla Smycken | Den europeiska smyckekonstens historia | [logo] | Gebers [Stockholm: Almqvist & Wiksell/Gebers Förlag AB, 1957] [Transl by Nils Jacobsson]

8°: 190, [1], [1 blank]p; illus, etc as in Engl edit; biblio now contains Swedish works inserted among the original entries. JSL

6325. -----1965, Firenze

Erich Steingräber | L'Arte Del Gioiello | In Europa | Dal Medioevo Al Liberty | Editrice Edam [Firenze, 1965; transl by Maddalena Trionfi Honorati]

4°: 172, [3], [1 blank]p; 15 col photos on 15 tip-in glossy f and includ in pag; 215 text photos; 6 line drawings. Off-white, pale-brown-flecked unfin cloth, dk brown spine title. White dj, col photo on cover with title in black & green; col photo back cover with green lett; other publ bks front flap. 29.7 x 24.3 cm(11 3/4 x 9 1/2 in). Cut. Lire 10,000. JSL.

Cont: blank f; publ data; tp; introd; text; biblio(p 169-71, 105 entries); ackn; tab cont; blank p; print data; blank p.

Fairly close to the German original but with numerous changes in size and arrangement of the illustrations, many of which are now considerably blurred

6326. -----1968 Schatzkammern Europas. Weltliche Schatzkammern. München: Hinner Verlag, 1968. 4°: 104 p, 22 ill, 160(80 col) pls. Cloth, col dj. 28 x 32 cm. Not seen

6327. -----1968, London

Royal | Treasures | Edited by Erich Steingräber | Translated by Stefan de Haan | Photographs by Claus and Liselotte Hansmann | Weidenfeld & Nicolson | 5 Winsley Street Oxford Circus London W I [1968]

2°: 100, [1], [1 blank]p; 94 col & 136 b&w photos on 72 bound-in glossy f not includ in pag; 22 text fig; 10 section titleleaves in dk greenish-blue with title & orn in white, tip-ins. Olive-green unfin silk, elaborate gold frame on cover; gold spine title. Black, plasticized dj, col photos on covers; resume, adverts. Pictorial endp in dull gray-blue on white. 31.2 x 27.6 cm(12 3/8 x 10 7/8 in). Cut. 8 guineas net. JSL.

Cont: 1/2tp; tp; publ data; tab cont; note; pref; text; "annex" tp; biblio(p 96-8, ca 150 entries, classified); index of artists; endp caption & photo credits; blank p.

Handsome, high quality work, with many excellent illustrations; it contains 10 sections on important art treasures preserved in museums or palaces as follow and with the names of the authors who wrote each section: Museo Degli Argenti, Florence, Kirsten Aschengreen-Piacenti; Galerie D'Apollon, Louvre Museum, Paris, Pierre Verlet; The Grand Dauphin's Treasures, Prado, Madrid, Teresa Ruiz Alcón; Secular Treasury, Vienna. Hermann Fillitz; Residence Palace, Munich, Herbert Brunner; Green Vaults, Dresden, Joachim Menzhausen; State Armoury, Kremlin, Moscow, Kira Wladimirpowna Donawa & Ljudmila Wassijewna Pissarskaja; English Royal Plate, Charles Oman; Rosenborg Castle, Copenhagen, Gudmund Boesen; and Swedish Treasury, Stockholm, Stig Fogelmarck. Steingräber provides the introductory remarks on collecting mania, famous collectors, and on the wide range of objects collected. Each of the named-authorities describe some of the more important objects in the collections under their purview, including the famous gemstone objects in the Museo Degli Argenti in Florence, such as vases, bowls, intarsias, etc, and similar objects in Apollon Gallery in the Louvre and in the Prado, Madrid as well as the crown jewels of the Holy Roman Empire in Vienna. Much is also said about the splendid gemstone ornamented objects in the Residence Museum in Munich and of course the great Green Vaults in Dresden. A number of the above authorities published related works, which see, eg, H Brunner, *Schatzkammer der Residenz München*, in which he published his contribution separately

6328. -----1968, New York

Royal | Treasures |...| Macmillan · New York [1968]

Aside from changes in front matter, identical. LC 68-26433. $19.95 to Dec 31, 1968, thereafter $25.00. JSL

STEINPEISS, M, see LAPIDARIUM OMNI VOLUPTATE

6329. STEINSCHNEIDER, MORITZ Arabische Lapidarien. *Zs Dt Morgenlandischen Ges*, Leipzig, 49, 1895, 244-78. Not seen

6330. -----1897 Lapidarien. Ein cultur-geschichtlichen Versuch. *Semitic Studies in Memory of Rev. Dr. Alexander Kohut*, edit by George Alexander Kohut. Berlin: Calvary, p 42-72. Not seen; from BELKIN, J S & CALEY, E R, *Eucharius Rösslin The Younger*, Berlin & New York, 1978, p XXXV

STELLA, ERASMUS, or STÜLER, STUELER, ERASMUS(ca 1450-1521)

Erasmus Stüler, as his name is given in German, b ca 1450; stud at Leipzig & Bologna, obtaining a medical degree; apptd town physician of Zwickau 1501, later becoming burgomeister

6331. -----1517

Erasmi Stellae | Libonothani | Interprae= | Tamenti | Gemma= | Rvm Li= | Bellvs | Vni= | Cvs. | Sola salus seruire deo, | Sunt coetera fraudes, [title ends sic; see finis below]

Above within elaborate woodcut frame, an archway, with cupids at upper corners supporting coats-of-arms; saintly figures in the column niches; orn base. Size 13 x 9 cm. This information from the fullsize reproduction of the tp in F D ADAMS, *Birth and Development of the Geological Sciences*, p 148. The finis below is from L THORNDIKE, *History of Magic*, 6, 302. Ward & Carozzi, 2105.

"Finit libellus de Gemmis doctoris Erasmi Stueler Zuickauiensis phisici & senatoris precipui quem Nuremberge imprimebat Federicus Peypus Mense sextili Anno partus virginei MDXVII." [Nürnberg: Friedrich Peypus, 1517]

4°: [21]f.

Adams, ibid, 147-9, examined this work and provides the fullest comments that I can find. He states: "It is a book of quarto size and comprises 21 unnumbered leaves. It shows... a distinct advance upon the older lapidaries in that the alphabetical arrangement of the minerals is abandoned and they are grouped into four classes according to their color: white, green, red, and blue or black. Thirty-three minerals are described and a number of others mentioned by name." Adams further notes that the descriptions are fuller and more attention is paid to varieties than was the case in older works. More space is also devoted to sources of minerals while less wordage is given to supposed magical properties. Thorndike, ibid, 303, is less enthusiastic about Stella, declaring that the work was "little more than a compilation from Greek and Latin writers, above all, Pliny, although Stella professed to use Theophrastus also and cited Dioscorides, Solinus, Serapion and Marsilio Ficino." He does agree with Adams that the "chief new feature was an

arrangement of gems in groups according to their colors." In respect to lore, Adams states that Stella repeated Pliny as to the lies and vanity of the magi and "like Pliny he still ascribes many powers to gems and an occult force," and "makes the Plinian excuse that if he has repeated any too extreme powers of gems, he has done so merely in order to illustrate what former writers thought of them and not because he believes or asserts such himself."

6332. -----1530, Strasburg

[orn] Erasmi | Stellae Libanotha | Ni Viri Clariss. | De g ẽ mis libellus | unicus. | ¶ Plinius secundus de | gemmis. | ¶ Ioannes Syluius. E= | granus ad Lect. | Oblectant si te Prasij, gemmaeq$_3$ nitentes | Si tibi Hyacinti, Sardonicesq$_3$ placent | Crysolitus, dursq$_3$ Adamas, uiridesq$_3$ Smaragdi | Purpureusq$_3$ lon, multicolorq$_3$ Mitrax | Aethiopes, Cyprus, quicquid misere uel Indi | Si placet, & quicquid dat mare caeruleũ | Hunc lege cõcinna moneo breuitate libellũ | Qui dabit ingenio noscere tanta tuo. | Argentorati per Henri= | cum Sybold. [Strasburg, 1530(leaf A2)]

8°: [64]f, the last p blank; A-H^8. 14.9 x 9.9 cm(5 7/8 x 3 7/8 in). Cropped. Orn inits, ch orns. JSL. Dewalque,5O2.

Cont: tp; blank p; dedic; the "Gemmarum libellus unicus" f[3-28]; blank p; Pliny's "Historiae de gemmis," f[29-64]; blank p.

The first part is Stella's work on gemstones as described in the first edition above, while the second part repeats word for word Bk 37, gemstones, of Pliny's *Natural history*, but interspersing additional headings in Caput X. "De quibusdam gemmis per alphabeti ordinem," to make it easier for a reader to locate a gem if its initial letter is known. This edition, like the first, is very rare. The copy in USGS Kunz Coll, GS 34-347, measures 15 x 10 cm (5 7/8 x 4 in), cropped

6333.-----1736, Erfurt & Leipzig

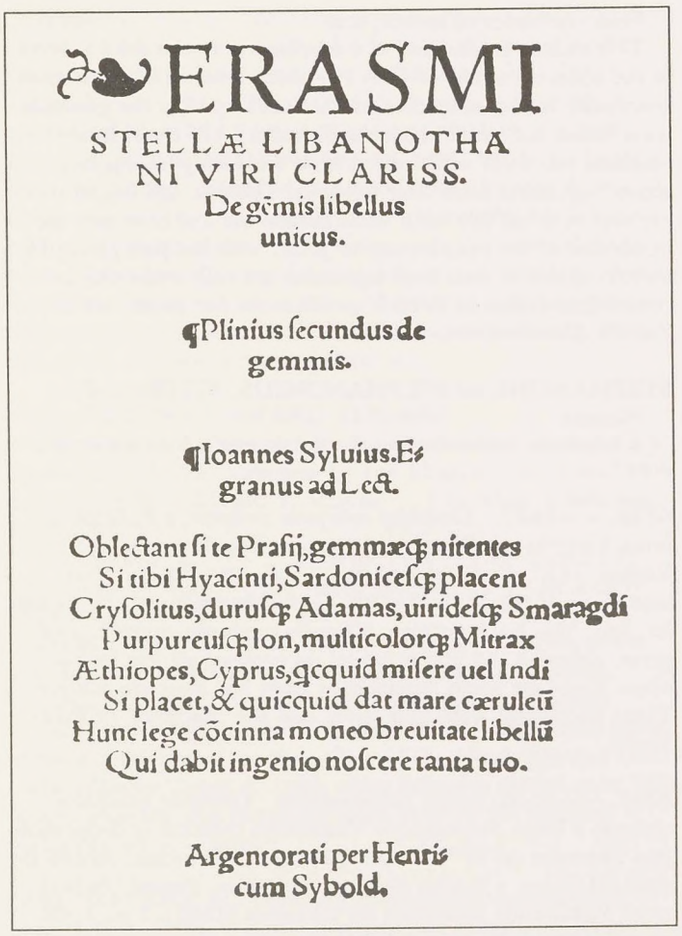
Erasmi Stellae, | Libanothani, | Interpretamen- | Ti Gemmarvm. | Libellvs Vnicvs | Plinivs Secvndvs | De | Gemmis. | [rule] | Joh.Syluius. Egranus ad lect. |...[8 lines of poetry on gemstones]...| [rule] | Sola salus seruire Deo, | Sunt coetera fraudes. | [rule] | Erfvrti Et Lipsiae. | Apud Carol.Frid.Jvngnicolivm, MDCCXXXVI, [1736]

4°: 68 p; A-H^4, I^2. Woodcut headpc. 20.5 x 16.2 cm(8 x 6 3/8 in). Cropped. USGS Kunz Coll, GS 33-354; BM(NH) Libr.

Cont: tp; dedic; ltrs; pref; text.

The species treated in accordance with the color scheme previously noted are as follow. I De gemmis candidis: diamond, rock crystal, iris, ceraunia & astroite, pederote, asteria, achate, draconite, allectorio, margaritis. II De gemmis viridibus: smaragdo, beryllis, chrysoprasio, topatio, callaide(callaico), prasio, heliotropio, jaspide. III De gemmis rubeis: carbunculorum generibus, amthysto, hyacintho, sarda, sardonyce, anyce, hematite, corallio, hephesite, chrysolito, electro, opalo. IV Gemmis coeruleis & nigris: cyaneo, saphiro, calaide & ceraunia, de moris gemmis, de gemmis ad ectypam, etc., with a chapter on the uses of rings. Thereafter is given the Pliny dissertation on gemstones, p 38-68.

6334. STELZNER, ALFRED W Ueber eigentumliche Obsidian-Bomben aus Australien. *Zs Dt geol Ges*, Stuttgart, 45, 1893, 299-319, Pl VI.


ERASMI
STELLÆ LIBANOTHA
NI VIRI CLARISS.
De gẽmis libellus
unicus.

¶Plinius ſecundus de
gemmis.

¶Ioannes Syluius.E⸗
granus ad Lect.

Oblectant ſi te Praſij,gemmæq; nitentes
Si tibi Hyacinti,Sardonicesq; placent
Cryſolitus,duruſq; Adamas,uiridesq; Smaragdi
Purpureuſq; lon,multicolorq; Mitrax
Æthiopes,Cyprus,q;quid miſere uel Indi
Si placet,& quicquid dat mare cæruleũ
Hunc lege cõcinna moneo breuitate libellũ
Qui dabit ingenio noſcere tanta tuo.

Argentorati per Henris
cum Sybold.

6332. Early compilation of fact and fancy concerning gemstones culled from ancient authors. Titlepage of 1530, Strasburg edition

A study of the then unrecognized tektites found in various places in Australia; Stelzner concludes that they are volcanic bombs sculptured by air resistance while still soft. Examples are shown upon the plate.

STEPHAN, P, see DARBOUX, G, et al

STEPHANI, LUDOLF (1816-1887)

Ger antiquarian, archeologist; b Beucha nr Leipzig; prof philology Dorpat, Esthonia 1846; curator classic antiquities Acad Sci St Petersburg 1850; d Pavlovsk.

6335. -----1851

Ueber Einige Angebliche | Steinschneider Des Altertums. | Ein Supplement | Zum | Dritten Bande Von Köhler's Gesammelten Schriften. | Von | Ludolf Stephani. | [rule] | [long rule] | Aus den Mémoires de l'Académie des Sciences de St.-Petersbourg. Vi Série. Sciences politiques, | histoire, philologie. T.VIII. | [rule] | St.Petersburg. | Buchdruckerei der Kaiserlichen Akademie der Wissenschaften. | 1851. | Zu haben bei Eggers & Comp., Commissionairen der Akademie; in Leipzig bei Leopold Voss. | Preis: 75 Cop. Silb.=25 Ngr.

4°: [3], [1 blank], 64 p(serial numbering is p 185-248); first 2 f supplied. Bright yellow wrap, title in orn frame on cover; spine title. 32.8 x 24.5 cm(12 7/8 x 9 5/8 in). Uncut.

Cont: tp; index of names; text.

This treatise is intended as a supplement to the third volume of the collected works of H K E Köhler(1765-1838), and more specifically to the essay entitled "Abhandlung über die geschnittenen Steine mit den Namen der Künstler," 1851(which see). Stephani sets forth additional criteria for distinguishing real artists' signatures from later forgeries. The first and largest part explains in detail just what these criteria are and how they are to be applied in the examination of gems, with last part giving 16 short chapters of numerous signatures critically examined and conclusions drawn as to their genuineness. See comments of Zazoffs, *Gemmensammler*, 191.

STEPHANONI, or STEPHANONIUS, PIETRO, of Vicenza

A Furtwängler, Antiken Gemmen, 3, 405, "apparently a dealer in antiquities in Rome."

6336. -----1627. Gemmae antiquitis sculptae, a P. Stephanonio, Vicentino, collectae et declarationibus illustratae, etc. Romae, 1627, 4°, 51 pls engrav by Valeriano Regnart. Not seen, from Vinet 1610; Zazoffs, *Gemmensammler*, 45. Furtwängler, ibid, "this book contains 50 really mediocre engravings of gems; although the title promises an explanatory text, it has none. There are some Renaissance gems but most are antique. These engravings were later taken into the "Raccolta" of Rossi-Maffei."

6337. -----1646, Padua reimpression Gemmae antiqvitvs scvlptae a Petro Stephanonio Vincentino collectae et declarationibvs illvstratae ad ill^{mum} et ecc^{m}, principem Henricum, comitis de Arondel filium, a Jacobo Stephanonio editae. Patauii [Padua], apud Matthaeum Bolzerram de Cadorinis [1646]. 2 p., 1, 48 pls. 31 1/2 cm. Dedic dtd 1646. Not seen, from USGS Kunz Coll, GS 34-522.

6338. STEPHENSON, MATTHEW F

Diamonds, | And | Precious Stones in Georgia; | With | Their Comparative Value In All Ages Of The World, And | Their Present Localities. | Together With A | Condensed Enumeration Of Their Mineralogical Accom- | Paniments And Geological Formation - Their | Chemical Composition; And Mode Of Mining | For Them. | [wavy rule] | With An Appendix | Giving A Brief Catalogue Of The Principal Metals, Min- | Erals, Useful In The Arts, And A Full Table | Of All The Metals And Metaloids Devel- | Oped Recently, By The Wonderful | Progress Of Scientific Investiga- | Tion, And Their Commercial | Value. | Also | The Urim And Thummim. | Or The | Twelve Stones Of The Rationale, | Or | Breast Plate Of The High Priest Of The Jews. | [rule] | By | Dr. M.F. Stephenson. | [rule] | Eagle Job Office Print, Gainesville, Ga. | 1878.

8°: 32 p; blue wrap, reset title in frame on cover. 18 x 12 cm(7 x 4 3/4 in), Cropped(?). USGS Kunz Coll, GS 34-562.

Cont: tp; pref; tab cont; 5 chs.

A remarkable, unnoticed and very rare work. The first chapter gives a general history of the diamond, occurrences in Brazil, the Urals, and the United States, its valuation, and diamonds in Georgia, noting the possible significance of itacolumite as the supposed host rock. The second chapter describes amethyst and beryl, also localities in Georgia where they are found, as well as the lazulite and rutile from the celebrated deposit of Graves Mountain in Lincoln County, and lastly, topaz, also reported from Georgia. Other gemstones of the state are treated in Ch 3, namely rock crystal, corundum, opal, carnelian, and chalcedony. The 4th chapter similarly treats chrysolite, emerald, onyx, and the breastplace stones, while the last chapter is in the nature of an appendix, providing a general discussion of Georgia's mineral resources and a long list of values of metals and other elements. It is all a most curious lot of information, much of it included either because of catching the interest of the author or to flesh out what would otherwise be a work too meager to publish. Nevertheless it appears to be the first substantial monograph on the gemstones of Georgia but it should be noted that Stephenson previously published in 1871 his *Geology and mineralogy of Georgia, with a particular description of her rich diamond district*, Atlanta: Globe Publ Co, 244 p, map, 16°, not seen but noted upon LC QE 101.S8. This work may have provided the basis for his remarks on diamond, and possibly other gemstones. G F Kunz, *Gems and Precious Stones of North America*, 1890, p 23-4, notes the just mentioned work by Stephenson but is less than complimentary, claiming that "exaggerated accounts of Georgia diamonds" are included and that Stephenson himself "was unable to discriminate between a paste imitation and a genuine stone [of diamond], and his enthusiasm may have overreached his judgment in other cases. The large specimens described were evidently quartz crystals and not diamonds."

6339. STERN, H Introduction to Brazilian gem stones. Rio De Janeiro: H.Stern, ca 1952; wrap title. Centerstapled: 28, [2]p; many ills(some in col). Col wrap. 15.8 x 11.7 cm(6 1/4 x 4 5/8 in). Cut. JSL. Gives brief facts on gemstones in general, their properties, cutting styles, gemstones of Brazil, and descriptions of same. Several issues of this promotional brochure are known.

STERN, H, see LEGRAND, J

6340. STERN BROS & CO.

Diamond Cutting | In America [No tp; foregoing from cover; priv printed New York, 1914]

4°: [2 blank]f + [33]p + [3 blank]p; 10 photos(printed separately, cut-out & mounted). Pale brown sheep; gold title in frame on cover. Brown, moire endp. 17.7 x 12.8 cm(7 x 5 in). Cut. Pale tan paper. Red & black text inits, red para mks. JSL.

Cont: 2 blank f; limited edit note; publ data; text; 3 blank p.

After a few general remarks on diamond, a description is given of the diamond cutting process, with closing remarks on the establishment of the diamond cutting industry in the United States. The first factory was opened by Henry Morse of Boston in association with James Yerrington of New York. Several more attempts to open factories took place in the 1880's but these were unsuccessful and it was not until 1892 that the Stern Brothers, "destined to be the first commercially successful diamond cutters in America" opened a loft at 29 Gold Street, New York City. The photographs depict the interior of the shop, the machines, equipment, etc. The above work appears to be based on an address prepared for delivery before the "first reunion of the National Jewelers' Board of Trade." Rare.

STERN, L, see CESNOLA, L P De

STERN, MAX & CO, see MAX STERN & CO

STERRETT, DOUGLAS BOVARD(1883-)

USA geol; stud geol under Edward Dana, Yale U; to US Geol Survey in 1906 where spent entire career; ret to Charlottesville, Va.

6341. -----1907 Precious stones [chapter]. *USGS Mineral Resources of the United States for Calendar Year 1906*, Washington, Government Printing Office, 1907, p 1213-52. First contrib by Sterrett to this series, continuing previous chapters by G F Kunz(which see). Misc gemstones; gem minerals S Calif; "Occurrence of diamonds in Arkansas," by G F Kunz & Henry S Washington, p 1247-51; biblio p 1251-2, 37 entries. All articles issued in offprints.

6342. -----1908; same, for CY 1907, 795-842. Many varied notes on gemstones, benitoite, emerald from NC, Montana sapphire, turquoise in SW USA; variscite; gem minerals S Calif.

6343. -----1909; same, for 1908, 8O5-59. Misc notes, Colorado gemstones, Nevada precious opal, Utah topaz, SW USA turquoise, variscite; statistics.

6344. -----1910, same, for 1909, 739-808. Good section on benitoite, californite, chrysoprase, Arkansas diamond, NC emerald, Arizona peridot; much on the turquoise deposits of the Southwest; also variscite, statistics.

6345. -----1911, same, for 1910, 847-900. NC beryls, californite, Montana sapphire, much on variscite in Utah; statistics.

6346. -----1912, same, for 1911], 1037-78. Much on the emerald of North Carolina and also on SW USA turquoise.

6347. -----1913, same, for 1912, 1023-60. Amethyst in North Carolina, Virginia, beryl in NC, amazonite; metric carat; birthstones list; statistics; biblio p 1060, 14 entries.

6348. -----1914, same, for 1913, 649-708. Much on beryl in New England, Nevada opal, topaz in New England and Texas, Maine tourmaline, much on SW USA turquoise, metric carat, book reviews, statistics.

6349. -----1915, same, for 1914, 307-46. Much on beryl, also on New England tourmaline; statistics; summary of the gemstone industry 1882-1914, with table. The last contribution in this series by Sterrett.

6350. STEUART, JAMES

An | Account | Of The | Pearl Fisheries | Of | Ceylon, | By | James Steuart | Master Attendant At Colombo, | Commissioner Of The Loan Board, | And Formerly | Inspector Of Pearl Banks. | With An Appendix. | [double rule] | Ceylon: | Cotta:- Church Mission Press. | 1843.

2°: vi, [2], 105 p; fold chart of pearl banks(52 x 40 cm, or 20 5/8 x 15 3/4 in), ruled borders); another fold chart of Gulf of Manaar (63.3 x 49 cm, or 24 7/8 x 19 1/4 in), bordered); the first chart is on thick paper, the second on light. 27.5 x 21.7 cm(10 5/8 x 8 1/2 in). Cropped(?). JSL.

Cont: tp; ltrs; tab cont; tab cont for append; errata; introd; extract of an account on the fisheries from Roy Asiat Soc trans; 6 chs; append.

A remarkable work because of embodying so large an amount of data on the fisheries, much of it forming the source material for later works about this important pearling region. Topics: natural history of the mollusks, co-inhabitants of the reefs, enemies of the pearl oyster, mode of reproduction & growth, age of the oysters and relation to pearl yield, methods & equipment for fishing, conduct of annual fisheries, cleaning & reclaiming pearls, etc. Additionally, Steuart provides much information on the economics of the fishery and the political means taken by the British to regulate the fishery and extract revenue therefrom. The appendix contains 27 articles on many related subjects written by other authorities as on pearls, fishing, revenue, etc. A very scarce work, indeed rare.

6351. STEVENS, EDWARD THOMAS

Flint Chips | A Guide | To | Pre-Historic Archaeology, | As illustrated By | The Collection In The Blackmore Museum, | Salisbury; | By | Edward T. Stevens, |...| London: | Bell And Daldy... 1870

8°: [2], xxvi, 11-593, [1 blank]p; front pl with tissue; 125 wood engrav. Dk red-brown cloth, gilt; teg. 21.4 x 14.2 cm(8 1/2 x 5 5/8 in). JSL.

On the aboriginal use of stone as based on examples in the very important collection in Blackmore Museum, Salisbury, England, of which a large part consists of American Indian antiquities collected by Squier & Davis during their explorations of tumuli and mounds in the valleys of the Mississippi and Ohio rivers. Allibone, *Suppl*, 2, 1386, citing *Saturday Review*, xxix, 580 "a very complete and systematic hand-book to the study of prehistoric art in general."

6352. STEVENS, G Gemmology questions and answers. Sydney, New South Wales: Ladybird Gem Merchants, Shop 112, Second Gallery, The Strand, Arcade [1934?]. 85 p, Aus $12.00. Not seen; rev *J Gemm*, 19, 5, 1985, 442.

6353. STEVENS, JANE PERHAM

Maine's | Treasure Chest | Gems And minerals | Of | Oxford County | By | Jane Perham Stevens ["Published through... Perham's Maine Mineral Store, Trap Corner, West Paris, Maine 04289." 1972]

Cementb: [2 blank], [8], 216, [6 blank]p; 214 ill(photos, facsimiles, portraits); 8 index sketch maps. Bright blue cloth, dull gold lett on cover & spine; col dj, with Hamlin tourmaline necklace on front, author portr & vita back. 22.7 x 15.1 cm(9 x 6 in). Cut. $8.95. JSL.

Cont: blank f; fwd; 3 front photos; tp; dj cover explan & publ data; dedic; tab cont; 32 sects; ackn; biblio(p 211, 14 entries); index; 3 blank f.

Richly illustrated history of mines, miners, and minerals(principally gemstones) in Oxford County, Maine, long noted for its highly mineralized granitic pegmatites from which many species of minerals have been mined. The author, born into a family long devoted to mining in Maine and operating a gem & mineral shop, was placed in a uniquely advantageous position to obtain much reliable information from others as well as from her own experience, thus giving her book its foremost position as the chronicler of Maine mining history. The scheme of presentation is by locality or area, presenting a total of 34 distinct

localities, plus sections on gold in the county, the feldspar industry, the gem cutting industry, and some important gems or pieces of jewelry in which Oxford County gemstones are set. The photographs were not reproduced well and portray places, mines, gem pockets, crystals, gems, jewelry, and persons. There are no endpapers and the inner hinges are separating. Also issued in paperback, the covers like the dj described above; $5.95. For the second edition of this work, see PERHAM, J C

STEVENSON, CHARLES HUGH, see KUNZ, G F & STEVENSON, C H

6354. STEWART, C NELSON

Gem-Stones | Of The | Seven Rays | By | C.Nelson Stewart, M.A. | Often in the lowly being dwells a hidden god: | And like a nascent Eye covered by the eyelids | a pure spirit grows beneath the rugged skin of stones. | Gerard de Nerval | 1939 | The Theosophical Publishing House | Adyar, Madras, India

8°: 119, [1 blank]p; 1 text fig. Tan, unfin cloth, red title on cover and in terra cotta on spine. 18.3 x 12.2 cm(7 1/4 x 4 7/8 in). Cut. JSL.

Cont: 1/2tp; tp; pref; tab cont; 10 chs; notes; index; blank p.

The author lists stones and gemstones that he considers appropriate for each of the mystical "seven rays" of occult lore. The first chapter presents a succinct and understandable discussion of crystals and what they are, but the second chapter, on occult mineralogy, along with third, dealing with the rays are replete with astrological jargon, and to this reviewer at least, make little sense. The remaining chapters discuss the stones under each of the rays, providing a brief description, properties, attributes, and lore, and including all the major gemstones, many minor species and varieties, and including some that appear to be added despite having no history whatsoever, eg, benitoite!

6355. STEWART, FRANKLIN

Crown of | The Andes | A history of the | oldest and largest | collection of emeralds | in the world | by | Franklin Stewart | Copyright 1936 by | Crown Of The Andes Company | 31 North State Street | Chicago

Title placed in an elaborate pictorial frame, apparently taken from an unidentified book in which it was used as an engraved title surround.

Centerstapled: 29, [3]p; 38 fig(2 maps). Green paper wrap, crown in center on both covers; gold & black lett. 27 x 19.2 cm(10 5/8 x 7 1/2 in). Cut. JSL.

Cont: tp; map; text; ackn; map; dedic.

Describes the famous Crown of the Andes, made from gold and set with numerous emeralds, and donated to the Catholic Church of the city of Popayan, Colombia by grateful citizens when they were spared from an attack of the plague which affected other communities in the year 1590. The crown was begun in 1593 and finished in 1599. The text gives its history up to the time when dire need impelled the city to sell the crown, for which purpose a Papal dispensation was obtained in 1914 to sell it to Czar Nicholas II of Russia. However, events in Europe halted the sale and after many years it was finally sold to a syndicate of buyers from the United States. This handsome and rare pamphlet is richly illustrated and contains much useful information.

STEWART, G W, see CAMERON, E N, et al; also MEYERS, T R

6356. STEYTLER, J G

The Emigrant's Guide. | [double rule] | The | Diamond-Fields | Of | South Africa, | With A Map Of The Country And Full Particulars | As To Roads, Prices Of Necessaries, &c. | By | J.C.Steytler. | Cape Town: | Saul Solomon And Co., Printers, St.George's Street. | 1870

8°: vii, 21 p; litho sketch map showing route. JSL.

Essentially compiles contemporary newspaper and journal articles on recent diamond discoveries and the alluvial diggings along the Vaal River. Of special interest is Mr Emanuel's dispatch of a certain Mr Gregory to report upon the validity of the discoveries; it was his negative report that stated in effect that the rumors "had been trumped for purposes of land speculation"(Pref). Mr Emanuel of course was Harry Emanuel, the famous London jeweler, whose own work on gemstones is described elsewhere, while Mr Gregory was British geologist, J R Gregory. This episode is briefly described in Alpheus F Williams' *Some dreams come true*, p 70-1, which see. Also included in the present book is the finding of the Star of South Africa diamond of 83.5 carats, the location of the fields, route to same, methods of travel, accomodations, what one should expect to find in the fields, and other practical advice. Other matters treated are geology, as then known, speculations as to the original host rock of diamond, letters from the fields, discovery of numerous garnets on Jagersfontein Farm, followed by discovery of diamonds, is noted on p 18. The entire work provides a valuable source of early, authentic information on the exploration of the South African diamond fields. Copy not seen; above from a xerographic copy. Noted by N Monica Southey, no 97. Rare.

6357. STICKEL, JOHANN GUSTAV(1805-1896) De gemma Abraxea nondum edita, commentatus est D.Ioannes Gustavus Stickel... Ienae [Jena], in libreria Croeckeriana, 1848. 18 p, 25 cm. Not seen; from USGS Kunz Coll, GS 34-813.

6358. STILLMAN, C J Nomazambwe amethyst deposits, Kalomo district. *Zambia Geol Survey Economic Rpt* no 17, 18 p. Not seen.

6359. STILLWELL, CHARLES W The color of ruby. *J Phys Chem*, Ithaca, 30, 1926, p 1440-66; *Chem Abstr* 21, 1927, 679. Based on a master's thesis.

6360. STIRLING, MATTHEW W Expedition unearths buried masterpieces of carved jade. *Nat Geogr Mag*, 80, 3, Sept 1941, 277-302, 14 photos, map, 11 col pls. Includes a number of jadeite carved objects uncovered in a site near Cerro de las Mesas, south of Veracruz, Veracruz State, Mexico.

6361. ..... & STIRLING, MARION Finding jewels of jade in a Mexican swamp. Ibid, 81, 11, Nov 1942, 635-61, 15 photos, map, 12 col photos. Investigation of two tombs near La Venta, Veracruz State, yields jadeite objects among other artifacts.

STIRLING, M W, see LOTHROP, S K, et al, 1961

6362. ST MAUR, SUZAN & STREEP, NORBERT

The Jewellery Book | Suzan St Maur & Norbert Streep | Magnum Books | Methuen Paperbacks Ltd [London, 1981]

Cementb: 198, [2 advert]p; 13 ill. Black wrap, col photo on front cover with white lett; white spine title; resume in white, yellow, tan lett with publ data on back cover. 19.8 x 12.8 cm(7 3/4 x 5 in). Cut. ISBN 0 417 04720 7. UK £1.95; Australia $7.25; NZ $7.25. JSL.

Cont: vitas; tp; publ data; dedic; tab cont; ackn; introd; 13 chs; advert.

The cover statement that this is "the first really practical book about jewellery," immediately aroused the condemnation of the gemological community familiar with current and vastly superior works on gemology and jewelry. Unfortunately, the authors, or the publishers, or both, neglected to submit the manuscript to an outside expert for review; otherwise the many serious errors and misstatements that characterize this work would have been eliminated. The highly informal text provides advice on jewelry and gemstones, also timepieces, telling how to choose same, how to care for them, how to detect fakes, and further discussing topics that bear on the subject. Chs 6 & 7 treat the valuable and less valuable gemstones, furnishing descriptions, properties, lore, and choice qualities. Imitation and synthetic gems are briefly treated. Some of the more flagrant errors are noted in the review of R K Mitchell, *J Gemm*, 18, 2, 1982, 171; see also a similar unflattering review by H David Morrow, *G & G*, 18, 4, 1982, 243-4, "given the difficulty some authors have in getting their work published, it is surprising to discover how easily pure drivel finds its way between hard covers." Although an editorial note, p 244, claims Mr Streep to have "qualified as a gemologist with the Gemological Institute of America," the education records of GIA "reveal no such qualification." Rev *JCK*, Aug 1982, p 298.

6363. -----1981, New York

The | Jewelry | Book | Suzan St.Maur & Norbert Streep | St.Martin's Press | New York [1981]

Cementb: 198p, but recte collating as p [3-8], 9-198, the first f omitted; 13 ill, Green paper over bds, gilt spine title. Green dj with front decor; resume, vitas. 20.8 x 13.3 cm(8 1/8 x 5 1/4 in). Cut. $9.95. LC 80-52099; ISBN 0-312-44230-0. JSL.

Cont: 1/2tp; dedic; tp; publ data; tab cont; introd; 13 chs.

6364. STOCKAR DE NEUFORN, J G

J.G.Stockar De Neuforn, | Schafbusa-Helveti | Tractatus Chemico-Medicus | De | Succino | In Genere, | nec non | Speciatim | de eo, quod nuper in agris Wisholzensibus effosum est, | in quo | per tentamina chemica Natura Succini succincte exami- | natur, atque Auctorum de eo opiniones | investigantur, atque examinantur. | [woodcut orn] | Lugduni Batavorum, | Apud Cornelium De Pecker, 1761.

8°: [2], 92 p; pi, A-E^8, F^6. 20.7 x 12.4 cm(8 1/8 x 4 7/8 in). Cut. JSL.

Cont: tp; quot; pref; text; index; cat of publ bks.

In this very rare work, the author discusses the nomenclature of amber among the Greeks, Romans, Arabs, and others, carefully referencing his authorities in footnotes, then passes to a description of physical properties, color and diaphaneity, and mentioning inclusions. The major part of the text, which follows next, describes numerous "experiments" in which amber is treated with many acids, salts, bases, essential oils, and other substances, reporting reactions, if any. The products of amber decomposition are also described as well as their reactions to similar tests. In the latter part of the text, the author discusses the ancient and modern theories as to the origin of amber, and gives brief notes on various types of amber from European and other sources, along with published analyses of amber.

STOCKDALE, H, see BUSS, W M & BUSS, V

6365. STOCKLEY, G M The geology of British Guiana and the development of its mineral resources. *Brit Guiana Geol Survey Bull* 25, Georgetown,1955, 102 p, ill(includ col geol map). Diamond resources; not seen. GS 56-11.

STOCKS, H B, see DIETRICH, K

6366. STODDARD, B H Gems and precious stones [chapter]. *Mineral Resources of the United States for Calendar Year* 1919, US Geol Survey, Washington, DC, 1922, 165-80; also ibid, CY 1920, 1923, 215-8; CY 1921, 1924, 143-6. The information is mostly statistical; with these articles no more information on gemstones was published in the basic publication, and it too ceased publication in 1927(for CY 1923).

STODDARD, R H, see EDWARDS, C, 1880

6367. STOIBER, RICHARD E; TOLMAN, CARL & BUTLER, ROBERT D Geology of quartz crystal deposits. *Amer Min*, 30, 1945, 245-68, 12 fig. On rock crystal, or other colored crystalline quartz suitable for piezoelectric purposes, and deposits in which they occur in Australia, Guatemala, Colombia, Madagascar, United States, and Brazil, with almost all of the text devoted to deposits in Brazil. Namely veins, composite lodes, pipes, pockets, blanket deposits, pegmatites, and eluvial & alluvial deposits. Photos of deposits and mining operations; map of Brazilian productive areas.

STOKES, R B, et al, see CRANBROOK INSTITUTE OF SCIENCE

6368. STOKES, RALPH S G

Mines And Minerals | Of The British Empire | Being A Description Of The | Historical, Physical, & Industrial Features | Of The | Principal Centres Of Mineral Production | In The | British Dominions Beyond The Seas | By | Ralph S.G.Stokes | Late Mining Editor, Rand Daily Mail, Johannesburg, S.A. | With Illustrations | London | Edward Arnold | 1908 | [All rights reserved]

8°: xx, 403, [1]p + 8 advert p; front tip-in photo pl with tissue + 63 photos on 37 tip-in pls. Dull red cloth, blind frames on covers; gold rules & lett on spine. 21.7 x 14 cm(8 1/2 x 5 1/2 in). Cut. JSL. GS 8-364.

Cont: 1/2tp; front; tp; dedic; pref; tab cont; ill list; introd; 36 chs; 6 appends; index; print data; advert.

Ch 3, 26-34 on Burma rubies & petroleum; Ch 5, 44-54 on gems & graphite in Ceylon; Ch 10, 102-7 a few remarks on precious opal & diamonds in New South Wales; Ch 23, 213-33 is entirely devoted to diamond mining in South Africa. Appropriate photos accompany each section. An uncommon book, based on the personal observations and data collected by the

author during a tour of the Empire from January 1906 to the beginning of 1908 in behalf of the *Mining World*, Chicago, and the *Rand Daily Mail*, Johannesburg.

STOLPYANSKII, P N, see FERSMAN, A E, 1920

6369. STONE, DERRICK

Gemstones | Of | Victoria | How and where to find them | Derrick Stone | Jacaranda Press | Melbourne/Sydney/Brisbane [Jacaranda Press Pty Ltd, 73 Elizabeth Street, Brisbane... In Conjunction with The Minex Group, 306 Russell Street, Melbourne; 1967. Title spread over 2 p, decorated]

8°: vii, [3], 125, [1 blank]p; 11 tinted photos, 34 plain photos; 28 tinted drawings & ch orns; 20 tinted map; 1 map in b&w, another on inside back cover; front endp decorated with drawings. Very thick, plasticized wrap, col photo on cover; back cover with col photo but elongated to form an inward-fold flap to cover book contents. 25.3 x 20 cm(10 x 8 in). Cut. Aus $3.00. JSL.

Cont: 1/2tp; tp(2 p); publ data; ackn; fwd; tab cont; introd; text; index; 3 fullp photos; blank p.

Handsome, imaginatively designed popular work containing much useful information and advice in addition to sections that serve as guides to prospecting areas. There is a brief and almost useless section on gem identification followed by descriptions of principal gemstones and where they occur in Victoria, then a geological time chart, and a statement of the general geology of Victoria. The section on outfitting is good. The map section gives 10 gemstone area maps, keyed to an index map on inside back cover & flap. The sections on lapidary work are too brief to be useful and should have been omitted. Comparable to N Campbell & D Stone's *Gemstones of New South Wales*, 1969, which see, but the troublesome flap in the present work is omitted.

6370. -----1970, 2nd edit. Same, but ref to The Minex Group, p [iv] is omitted. 8°: vii, [3], 129, [2 blank], [1]p; 2 maps omitted and references to these localities deleted, but 4 maps & corresponding text are added commencing on p 103. The map previously on inside back cover & flap now moved to text. New col photo back cover; green diagonal bar now on front cover overprinted with "New Edition | four new areas." ISBN 7016 0349 6. JSL.

No explanation is given for the two deleted localities.

STONE, D, see CAMPBELL, N

6371. STONE, DERRICK & STONE, DOUG

How To Find | Australian | Gemstones | [rule] | Derrick Stone | Doug Stone | Periwinkle Books [Lansdowne Press, 380 Bourke Street, Melbourne, S.Australia, 1969. "Periwinkle Colour Series"]

8°: 144 p; 64 col photos on 8 glossy bound-in f; 30 b&w photos; 2 sketches. Stiff, paper wrap, col photo of opal on cover; back cover black with white lett. 18.5 x 12.6 cm(7 1/4 x 5 in). Cut. Aus $1.50. ISBN 7018 0093 3. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; ackn; introd; geol time scale; 5 chs; gloss; biblio(p 144, 18 entries),

"The heart of this book is the section of tables [Ch 4] which shows, State-by-State, where and under what circumstances various gemstones may be found." Unfortunately, the information appears to have been compiled uncritically inasmuch as localities are given which do not produce useful gem material, eg, olivine. The first chapters are mineralogical and contain numerous errors of fact, inept terminology, misspellings, and use of out-moded terms. The glossary repeats some terms already defined in the text but also includes many that are not used in the text at all. Another poor feature is the sprinkling of photographs throughout the text without providing captions. This work has every appearance of having been hastily thrown together by persons not familiar with the science of mineralogy. Rev *Austral Gemm*, 10, 9, 1970, 21. A reprint issued in 1970, 1971.

6372.-----1976, corrected edit; change in authors

How To Find | Australian | Gemstones | [rule] | Douglas Stone | illustrations by Derrick Stone | Periwinkle Books [1976]

8°: 144 p; 63 col photos on 8 glossy bound-in f; 29 b&w photos; 2 sketches. Dull orange plasticized paper over bds; col photo on cover with white title; white spine title; reviews in white panel on back cover. 18.4 x 12.7 cm(7 1/4 x 5 in). Cut. ISBN 0 7018 0651 6. JSL.

Cont: same, but biblio, p 143-4, now with 21 entries.

Many, but not all deplorable errors corrected. Half-title photograph omitted, also col pl facing p 132.

6373. STONE, DOUGLAS M & BUTT, ROBERT A A guide to Australian precious opal. Lansdowne Press, New South Wales, 1972. Not seen: rev by N Clayton, *Austral Gem*m. 11. 9. 1973, 26-7; price Aus $1.75.

6374. -----1976, rev edit

A Guide To | Australian | Precious Opal | [rule] | Douglas M.Stone | Robert A.Butt | Periwinkle Books

"This revised edition published 1976 by Periwinkle Books, an imprint of Books for Pleasure Pty Limited, 176 South Creek Road Dee Why West NSW 2099."

8°: 110, [1], [1 blank]p; 20 photos, 5 sketches, 15 sketch maps, 47 col photos on 8 bound-in glossy f includ in pag. Plasticized paper over bds, col photo of opal on cover with white lett. 18.4 x 12.7 cm(7 1/4 x 5 in). Cut. ISBN 0 7018 0611 7. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; ackn; history of opal in Australia; 9 chs; biblio(p 111, 8 entries); blank p.

Written for the beginner interested in sight-seeing in the opal fields or trying his hand at prospecting. Opal is defined, with remarks on latest discoveries concerning its structure and cause of color play, its varieties, and synthesis of precious opal. Prospecting & mining techniques are explained with useful tips on travel into remote areas, along with brief remarks on the geology of the fields. A glossary is provided of geological and opal terms while the bibliography cites modern works on opal and its occurrences in Australia as well as popular works on this gemstone. An attractive book, now reliable. Rev N Clayton: *Austral Gemm*, 10, 9, 1973, 26-7.

6375. STONEY, GEORGE M Explorations in Alaska. *US Naval Inst Proc*, Annapolis, 25, whole no 92, 1899, 799-849; concluded in whole no 91, 533-84. This is the famous report on Stoney's finding of nephrite jade deposits along the Kobuk River. GS 18-447.

6376. STOPFORD, FRANCIS POWYS(1861-)

The Romance Of | The Jewel | By | Francis Stopford | [a jewel vignette] | London | Printed For Private Circulation, And Published At | 158-162, Oxford Street, In The County Of London | MCMXX [for Mappin & Webb, jewelers, London, 1920]

4°: [7], [1 blank], 96 p; 22 bound-in pls, each with printed tissue, of which 16 pls in col; orn col inits. Pale tan paper over bds, large & very elaborate col panel on front cover enclosing gold title & gold- green peacock. 1/4 brown leather over spine, with gold title & small orn. 27.7 x 21 cm(10 7/8 x 8 1/4 in). Aeg. Pale tan, hand-laid type paper. JSL.

Cont: blank f; 1/2tp; tp; fwd; tab cont; ill list; 10 chs. USGS Kunz Coll, GS 34-308.

A beautifully produced book made from high class materials save for the spine leather which in virtually all copies seen is dry, powdery, and commonly fallen away altogether. Discoloration of the paper covering the boards is also common and is uncleanable. Of the ten chapters, two are on diamond, one each on pearl, ruby, emerald, and sapphire, and another on amethyst-topaz-turquoise, while still another combines opal-moonstone-cat's-eye- peridot. Other chapters deal with the art of the jeweler, and rings. The text is easily assimilable and notable for inclusion of the most important facts presented with high degree of accuracy. Apparently the work was never put up for public sale but issued to especially-favored customers of the celebrated London court jewelers. The colored plates are superb and the book is mostly esteemed for these although there is nothing to be faulted in the text. Rarely found with sound binding.

STOPPANI, ANTONIO(1824-1891)

Ital geol; some time dir Museu Civico di Storia Naturale in Milan.

6377. -----1886

Antonio Stoppani | [rule] | L'Ambra | Nelle Storia E Nella Geologia | Con Speciale Riguardo | Agli Antichi Popoli D'Italia | Nei Loro Rapporti | Colle Origini E Collo Svolgimento | Della Civiltà In Europa | [logo] | Milano | Fratelli Dumolard Editori | 1886

"Biblioteca Scientifica Internazionale, Vol.XLIV."

8°: XXI, [3], 277, [3 blank]p. Printed wrap(?). 22 x 14.5 cm(8 3/4 x 5 5/8 in). JSL.

Cont: blank f; ser tp; ser bks; tp; publ data; tab cont; pref; pt one tp; 8 chs; pt two tp; 4 chs; blank f.

The first substantial monograph on amber written by an Italian author. The first part treats amber along historical-cultural lines, defining amber as a substance, chemically & mineralogically, its nomenclature in various languages, classical references to the nature & origin of amber, and its use from prehistoric times to the time of the Etruscans, with most of the discussion devoted to amber in Italy. The second part treats the geology & mineralogy, sources, types, including Sicilian ambers, inclusions both natural and falsified, amber production in the Baltic region, the Miocene geological period and its significance in regard to amber occurrences, and lastly, a chapter on amber-bearing formations and probable origins in the Baltic and elsewhere in the world. Much of the information is standard but the remarks on the cultural uses of amber in Italy are most valuable and possibly unique. Necrol: *Boll R Com Geol d'Italia*, 22, 1891, 74-6; also *Rassegna delle Sc Geol in Italia*, Anno I, 1891, 147-51, portr.

STORM, P J, see BARR, M B

STORY-MASKELYNE, MERVIN HERBERT NEVIL (1823-1911)

Brit mineralogist, civil servant. BA Oxford U 1845, MA 1849; taught mineralogy, chemistry Oxford U 1851-7, prof 1856; apptd Keeper of Minerals, Brit Mus 1657, resigned 1880; FRS 1870; Wollaston Medal 1893; MP 1880. Assembled valuable coll engrav gems(see comments of C W King, *Antique Gems and Rings*, 2, 1872, p 40); also see auct cat of same, Sotheby, Wilkinson & Hodge, London, 4 & 5 Jul, 1921; also cat Christie, Manson and Woods, 1899. Obits *Athaeneum*, London, Jan-Jun 1911, 606; *Geol Mag*. London, dec 5, vol 8, 1911, 236-7; *Min Mag*, London, 1911, 149-56, portr.

6378.-----1870

The Marlborough Gems | Being A Collection Of | Works In Cameo And Intaglio | Formed By | George, Third Duke Of Marlborough: | Catalogued | With | Descriptions, And An Introduction, | By M.H.Nevil Story-Maskelyne, M.A., F.R.S. | Professor Of Mineralogy, Oxford; | Keeper Of The Mineral Department, British Museum. | Printed For Private Distribution. | 1870.

Privately printed in London by the author.

4°: xl, 118, [2 blank]p; [a]-e^4, B-Q^4. Vellum over thin bds(usually badly warped), gold double-rule frame on cover & engrav gem in center; double rules on spine; gold double-rule frame back cover with Marlborough monogram in center. Mbled endp in green, blue, white. 27.5 x 21.7 cm(10 7/8 x 8 1/2 in). Aeg. Another issue measured only 24 x 15.5 cm(9 1/2 x 6 1/8 in). Aeg. JSL. Only "five and twenty copies were printed"(Thomas Heneage, London, Cat 1982).

Cont: 1/2tp; tp; print data; introd; cat; blank f.

The careful catalog of the large and fine Marlborough collection, numbering 739 specimens. The lengthy introduction, a commendable and useful work in itself, traces the history of the collection and includes information on members of the family responsible for acquisition of various gems, the collections from which they were obtained, previous catalogs and written lists of this and other collections, also discussions of several of the more remarkable pieces with remarks upon mineralogy and the engraving art. The gems are arranged according to class of subject, eg, mythology, iconography, history, daily life, Christian gems, medieval gems, masks, animals, etc. Extracts from this work appeared in the auction sale catalog of Christie, Manson And Woods noted above. See also the large illustrated catalog entered under MARLBOROUGH GEMS, and remarks of C W King as well as those of S Reinach, *Pierres Gravées*, 1895, 112, and A Furtwängler, *Die antiken Gemmen*, 3, 432, who comments favorably but notes that some antique gems designated Renaissance by Story-Maskelyne are seldom so.

STORZ, M, see KAISER, E, 1926; also STROMER, E, et al

STOSCH, PHILIPP VON(1691-1757)

Prussian diplomat, art connoisseur; lengthy residence in Rome, later in Florence(1731) where remained till death; assembled collections of antiquities and engraved gems, the latter sold after death to Frederick the Great of Prussia for 30,000 ducats plus an annual "rent" of 400 ducats. See also biogr notes of P O Rave, *Berliner Museen Ber aus dem Ehem Preuss Kunstsammlungen*, NF, 7, 1, Berlin, 1957, Winckelmann's preparation of the collection catalog is discussed on p 190-5 of Wolfgang Leppmann's *Winckelmann*, NY, A.A.Knopf, 1970. Comments on the Limiers transl & biogr notes in *Biogr Univ*, 21, 500-1. See also C Justi remarks in *Zs d bildende Kunst*, 7, 1872, 293 ff and 333 ff. The latest and certainly one of the most complete discussions of Stosch, his life and accomplishments, his famous

book on engraved gems, etc, appears in the Zazoff's *Gemmensammler*, 1983, p 1-67, also 105, which see, while p 181-6 deal with a republication of Stosch's gems, both as printed works and gem casts.

6379. -----1724

Pierres Antiques | Gravées, | Sur Lesquelles Les Graveurs Ont Mis Leurs Noms. | Dessinées | Gravées en Cuivre sur les Originaux | ou d'après les Empreintes, | Par | Bernard Picart. | Tirées | Des Principaux Cabinets de l'Europe, | Expliquées par | M.Philippe De Stosch, | Conseiller de S.M. le Roi de Pologne, Electeur de Saxe, | Dediées a Sa M.Imp, & Cath. | Charles VI. | Et Traduites en François par M. de Limiers, de l'Academie | de Bologne. | [engrav vignette, 10 x 14 cm(4 x 5 1/2 in)] | A Amsterdam, | Chez Bernard Picart, le Romain, Graveur & Marchand | d'Estampes, sur le Cingel a l'Etoile. | M.DCC.XXIV. [title in red & black]

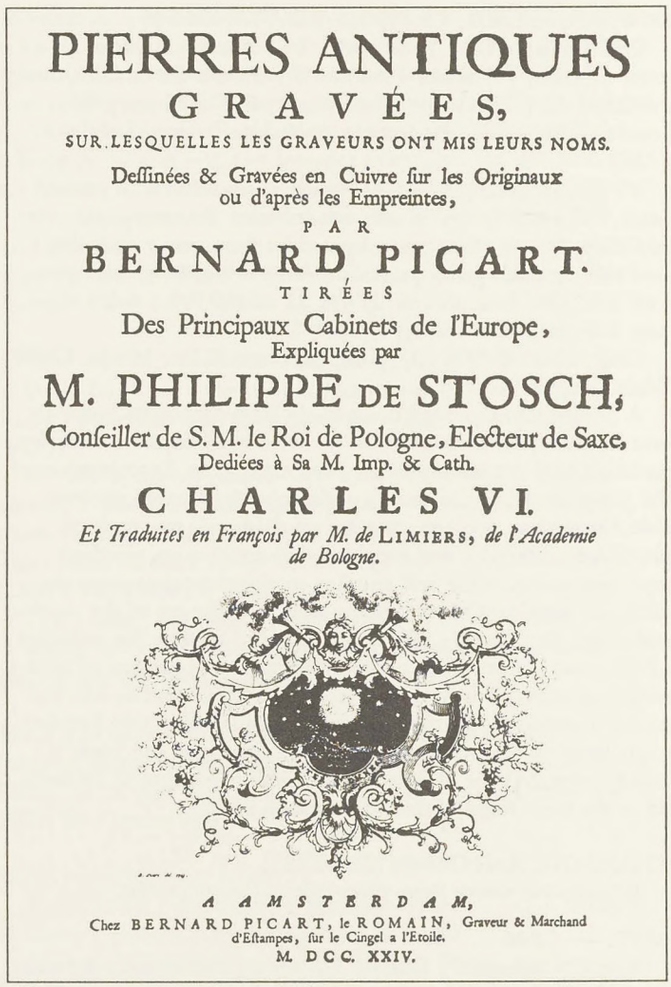
With facing title, verso, in Latin:

Gemmae Antiquae | Caelate, | Scalptorum Nominibus Insignitae. | Ad ipsis Gemmas, aut Earum Extypos Delineatae | & Aeri incisae, | Per Bernardum Picart. | Ex | Praecipuis Europae Museis selegit | & Commentariis ullustravit | Philippus De Stosch, | Polon. Regis | Sax. Electoris Consiliarius. | Ad | Imp. Caes. Carolum Sextum P.F.A.C.H.R. | Gallice reddidit H.P.Limiers, Bonon. Scient. | Academ.Socius. | [diff engrav vignette, same size] | Amstelaedami, | Apud Bernardum Picartum. | M.DCC.XXIV. [also in red & black]

2°: [6], XXI, [1], 97, [1]p; pi^3, *-****^{4}, A-M^4; 70 engrav pls bound-in, in text, or in some copies, at end; 3 engrav head- or tailpcs; 3 engrav inits. In three copies examined, p 2 of text originally misprinted "24" with last digit obliterated by dk brown mark, possibly by a lead-white pigment that altered from white to brown as commonly happens. Max p size seen: 45.8 x 31.2 cm(18 x 12 1/4 in). LC-14037; JSL.

Cont: 1/2tp; Latin tp; Fr tp; dedic; quots; pref(both languages); text(both languages); index(both languages).

Choice engraved gems depicted and described from among the many in the great collection assembled by Baron von Stosch. However, according to Carl Justi, "Philipp von Stosch und seine Zeit, 3. Das Gemmenwerk," 1724, *Zeitschrift für bildende Kunst*, 7, Leipzig, 1872, p 333-46, the most important text was written by Francesco Valesio(1679-1742) who consented to do so only anonymously. The splendid plates, much enlarged over the originals, but indicating size with a scale, were designed and engraved by the famous Parisian engraver & bookseller Bernard Picart(1663-1733). The Latin of Valesio was translated into French by Henri-Philippe de Limiers(d 1725). A detailed history of how this work came into being is provided by Justi who stated that the collection contained 3,454 pieces, of which 121 were modern works, 378 modern pastes, 253 with inscriptions, 938 set in gold rings, and a number of impressions in sulfur and plaster stored in three ten-drawer chests. Zwierlein-Diehl, *Antike Gemmen in deutschen Sammlungen*, Bd 2, 1968, p 9, differs somewhat, giving 3,444 gems, of which 887 stones and pastes were modern, and also 400 impressions made from glass and sulfur. Of the 70 gems depicted, A Furtwängler, *Die antiken Gemmen*, 3, 409-10, notes that only a dozen are not antique. Shortly before his death, Stosch persudaded J J Winckelmann(1717-1768), the celebrated antiquarian, to prepare a full catalog of the collection which duly appeared in 1760(which see). Soon after publication of the present work, a controversy arose regarding the accuracy of the plates and of the value of the work as a whole; such points are discussed by Furtwängler, ibid, who dismisses the adverse criticisms but inserts a few of his own, and on the whole broadly favors it. One of the plates is reproduced by him to face p 408 in his *antiken Gemmen*. The full remarks on the Stosch catalog by P J Mariette, *Traité des Pierres Gravées*, 1, p 328-34, are specially noted in the extensive section on the same work incorporated in S Reinach's *Pierres Gravées*, 1895, p 147-84, who also reproduces the gems in reduced scale in his plates section and provides descriptions of in his text. In regard to the gems bearing inscriptions, C W King, *Antique Gems and Rings*, 1, 1872, p 468, specifically notes that this work "the first publication of gems bearing the supposed signatures of artists, as such, and which gave the greatest impetus to the forging of such signatures in the years that followed," and, further, "the plates... are most elaborately executed, but on so gigantic a scale of enlargement, as to give the effect of bas-reliefs rather than of gem-work." Vinet 1616. It is the size and perfection of the plates that contributes to the scarcity of copies in the antiquarian book market, such being so fine, and so eminently suited for framing, that many copies were broken up on their account. Cicognara 3216.


PIERRES ANTIQUES
GRAVÉES,
SUR LESQUELLES LES GRAVEURS ONT MIS LEURS NOMS.
Deſſinées & Gravées en Cuivre ſur les Originaux
ou d'après les Empreintes,
PAR
BERNARD PICART.
TIRÉES
Des Principaux Cabinets de l'Europe,
Expliquées par
M. PHILIPPE DE STOSCH,
Conſeiller de S. M. le Roi de Pologne, Electeur de Saxe,
Dediées à Sa M. Imp. & Cath.
CHARLES VI.
Et Traduites en François par M. de LIMIERS, *de l'Academie de Bologne.*
A AMSTERDAM,
Chez BERNARD PICART, le ROMAIN, Graveur & Marchand d'Eſtampes, ſur le Cingel a l'Etoile.
M. DCC. XXIV.

6379. Titlepage to Stosch's magnificent catalog of his collection of engraved gems and filled with fine engraved plates

6379. Sample page of Stosch

6380. STOTZ, JO

Kristalle | Edelsteine | Metalle | Aus der Wunderwelt des Mikrokosmos | von | Jo Stotz | Mit einem Vorwort von | Professor Dr.Karl Schlossmacher | ehemals Direktor des Mineralogisch-Petrographischen | Instituts der Universität Königsberg i.Pr., Leiter des | Instituts für Edelsteinforschung in Idar-Oberstein | [logo] | Der Haldenhof-Verlag · Heilbronn Am Neckar [title in yellow & black; 1951]

8°: 201, [2], [5 blank]p; 12 tip-in glossy pls(8 b&w, 4 col); 15 fig; atomic tab in yellow ink. Pale turquoise-blue unfin cloth; title & logo in gold on cover & spine. 23.7 x 15.8 cm(9 3/8 x 6 1/4 in). Cut. Yellow ink also used for headings and in some illustrations & trademarks. JSL.

Cont: 1/2tp; tp; fwd; introd; text; subsidy note; adverts; biblio (p 199, 15 entries); ill lists; credits; tab cont; 5 blank p. LC 52-43353.

An interesting, and in places, a valuable melange of information consisting of 55 unnumbered short chapters apportioned as follows: 6 on atomic structure and distribution of elements, 37 on gemology, including gemstone descriptions, organic gemstones, curious lore, famous diamonds, and other topics, 6 on noble metals, and 6 on symbolism in ornament, the wisdom of the Chinese, and a closing statement. The illustrations cover a wide range of subjects and include technical illustrations as well as those of cut & rough gemstones, among others. In the foreword, Schlossmacher explains the content of the book as being an attempt to draw together into a unified whole the world of minerals and the world of men, and to demonstrate the connections between them. It is a handsome book but the use of pale yellow for certain illustrations makes them difficult to perceive.

6381. -----1962

Sterne Yoga Edelsteine | Eine Philosophie des Lichtes und des Glückes | von | Jo Stotz | [logo] | Der Haldenhof-Verlag Heilbronn am Neckar [1962]

8°: [14]p + p 15-182 + [5], [3 blank]p; 14 tip-in glossy col pls, with the first not includ in pag but all the rest are; 4 pls on tinted paper. Pale tan cloth, like pigskin; gold cover title; same on spine with logo. Pale tan endp. White dj, title on cover & spine; flap resume. 29.7 x 23.6 cm(11 3/4 x 9 1/4 in). Cut. DM 49.- JSL.

Cont: 1/2 tp; tp; publ data; pref; text tp; pl; quot; text in 3 parts; tab cont; photo credits; ill list; notes; biblio; 3 blank p.

A curious mixture of mysticism and fact, taken from the realms of astronomy and astrology, philosophy, and gemology, with the avowed purpose of guiding the reader in an excursion through the spiritual world. The author sees close connections between the stars and living forms on Earth, and the so-called "dead" crystals of the gem world. The text consists of essays on mystical influences of the stars as the basis of modern astrology, the place of yoga in self-fulfillment and spiritual peace, and the mystical and magical powers of gemstones. All of these themes are more or less interwoven with the curious lore of gemstones. The part specifically devoted to them, however, appears on p 119-70. Throughout are found references to the mystical or philosophical writings of such persons as Jung, Haeckel, Hauer, Goethe, Nietsche, Kierkegaard, etc. Rev by W Fischer, *Der Aufschluss*, 14, 6/7, 1963, 196-7, "Provides histories of gemstones in old religions and kingdoms, also notes on famous diamonds, legends and symbolisms of gems, zodiacal gems, birthstones and planetary gems. Unfortunately contains many unclear places and erroneous contributions. While the author strives to provide the spiritual content of Hinduism and Buddhism to reduce contemporary restlessness, the book in no way reaches the high level of Philip Schmidt's *Edelsteine, Ihr Wesen und Wert bei der Kulturvölkern* Bonn 1948."

6382. STOUT, WILBER & SCHOENLAUB, R A The occurrence of flint in Ohio. *Geol Survey Ohio, 4th Ser, Bull* 46, Columbus, 1945. 8°: 110, [2 blank]p, 11 pls (text photomicrographs), 1 fig. Pale gray print wrap. 24.2 x 16.5 cm(9 1/2 x 6 1/2 in). Cut. JSL. Describes the deposits, types of flint, etc, especially the noted deposit of large and colorful material found at Flint Ridge which has been modernly used in lapidary work. GS 47-118.

6383. STÖVER, ULLA

Dr. Ulla Stöver | Freude am Schmuck | Bertelsmann Ratgeberverlag [Gütersloh, 1968]

Cementb: 190, [2]p; 35 col photos on 16 glossy f; 41 text photos & fig. Plasticized col paper over bds, col photo of turquoise necklace on cover with title & series symbol; spine title; back cover resume. 18.7 x 11.7 cm(7 3/8 x 4 5/8 in). Cut. JSL.

Cont: 1/2tp & ser tp; tp; publ data; tab cont; prolog; text; append (gloss, biblio of 20 entries); index & photo credits; list of advisors.

A handsome work; though of small size it contains a surprisingly large amount of information by utilizing small type. Topics: cultural aspects of jewelry throughout history, modern jewelry, its manufacture, a comprehensive treatment of gemstones(p 91-143, some minor errors), advice to owners of jewelry and buyers, how prices are established(but without specific figures given), modus operandi in the jewelry business, taste in jewelry, and how to wear jewelry for best effect. The glossary is comprehensive and includes a number of terms from gemology but again some errors are present and suggesting that the author was less familiar with gemology than with jewelry. The illustrations are largely very good and germane. Rev *Zs Dt Gemm Ges*, 18, 1, 1969, 44, "an interesting combination of story, information, and almost poetry."

6384. -----1973 Mon bijou: Geschichte und Geschichten um Schmuck. München: 1973, 72 p, prof ill, many in col. Cloth, 20.5 x 15 cm. Not seen.

6385. STOW, G On the diamond gravels of the Vaal River, South Africa. With notes and descriptions of specimens by T R Jones. *Quart J Geol Soc London*, 18, 1, 1872, p 3-21. Not seen.

6386. STRACHAN, J The Carrmoney chalcedony: its occurrence and origin. *Proc Belfast Naturalists' Field-Club*, Belfast, ser 2, 5(Append 8), p 336-54, pl. Not seen.

6387. STRACK, ELISABETH

Elisabeth Strack | ABC | Der Perlenkunde | Und | Edelsteinkunde | [logo] | Rühle-Diebener-Verlag GmbH + Co. KG, Stuttgart [1978]

Front cover title only; covers not includ in pag.

Centerstapled: 39, [1 blank]p; 13 fig; 5 advert p. White, glossy wrap. 30.4 x 23.2 cm(12 x 9 1/8 in). Cut. JSL.

Dictionaries of pearl and gemological terms with some preliminary remarks on gemstone origins, deposits, properties,

optics, and then taking the gemstones in groups and ending with coral, amber, birthstones, zodiacal stones, and planetary stones.

6388. -----1975 Die Diamantvorkommen der Elfenbeinküste: Bericht über die Vorkommen von Tortiya und Séguéla. *Zs Dt Gemm Ges*, 24, 4, 1975, 199-229. 19 fig. JSL. Alluvial diamond deposits in two areas of inland Ivory Coast, Africa - geographical & geological notes, stratigraphy, recovery of stones, sorting, crystal forms, qualities, production.

6389. -----1982

Elisabeth Strack | Perlenfibel | Rühle-Diebener-Verlag | Stuttgart | 70 [1982]

8°: 168, [8 advert]p; col sect insert betw p 8-9(117 photos on 8 glossy f, bound-in); 171 fig(photos, drawings, part col map of Japan spread over 2 p); 7 tabs. Glossy paper over bds, col photo with white title on cover. 24.7 x 19 cm(9 3/4 x 7 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; col ill list; col pl sect; text; biblio(p 160, 21 entries); index; 2 tab; adverts.

A fairly complete work on pearls written in easily assimilable language and stressing the culture pearl. The first chapter is on natural pearls and is followed by a chapter on the culture pearl, with later chapters taking up the culture pearls of Australia, mabé pearls, distinctions between natural & culture pearls, imitations, the pearl trade, and the bibliography and tables of weights. An attractive and valued work. Rev *J Gemm*, 18, 4, 1982, 353.

6390. STRANNER, H, editor

Edelsteine | Und Metalle | In Der | Bijouterie | Unter Mitarbeit Bekannter Fachleute | Herausgegeben Von | H.Stranner | Mit Mehrfarbigen Abbildungen Von 80 Edelsteinen | Und 16 Schwarz-Weissen Tafeln | MCMLIII | [rule] | Rascher Verlag Zürich [1953]

8°: VIII, 87, [1 blank]p; 4 tip-in glossy col pls of gemstones; 22 photos on 8 tip-in glossy f; 4 fig. White, blue, black & gray geometrical pattern on wrap cover with title in white & black lett(also on spine); inward-fold flaps with resume & other bks of publ. 29.7 x 21 cm(11 3/4 x 8 1/4 in). Cut. JSL.

Cont: logo; tp; publ data; fwd; introd; tab cont & pls list; 4 pt text; blank p.

A succinct sketch of the materials and methods used in the manufacture of jewelry and plate, designed to educate salesmen and others connected with the jewelry business. The four parts treat gemstones, metals, wares, & metal-working processes. The gemstone part, p 1-44, is edited by E Gübelin, who provides a general review of the nature & properties of gemstones, notes on synthetics, and nomenclatural problems, after which appear descriptions of a considerable number of major & minor gemstones. This part is much enhanced by use of four color plates which originally appeared in A Eppler & W F Eppler's *Edelsteine und Schmucksteine*, 1934, which see.

6391. STRAUSS, TAMARA

Edelsteine und Schmucksteine | vom Goldschmied aus gesehen | Tamara Strauss | [logo] | Rühle-Diebener-Verlag KG · Stuttgart [1960]

Cemented double-sheets: 90, [2 blank]p; pale brown, textured paper wrap, cover title, adverts inside front cover. 20.6 x 14.7 cm(8 1/8 x 5 3/4 in). Cut. DM 8.60. JSL.

Cont: 1/2tp; tp; publ data; publ fwd; tab cont; introd; text; index; blank f.

A simply-written work designed to provide basic information on gemstones to members of the jewelry trade. The first two chapters explain the cutting of gemstones and the gem-cutting industry of Idar-Oberstein, Germany, while the remaining chapters describe gemstones, beginning with diamond and passing through the corundum group, the garnets, jades, feldspars, quartzes, etc, into the less usual gemstones and ending with pearl, coral, and amber. While written by a jeweler, the information is neither unique nor presented in a fashion remarkably different from that found in standard gemological texts. Rev by W Fischer, *Der Aufschluss*, 12, 2, 1961, 43 who points out numerous serious errors and recommends against it; a note in issue 4 of this journal, 1961, stated that the book was withdrawn from the market by the publisher.

6392. STRECKER, CARL CHRISTOPH(1858-)

Auf den Diamanten= | und Goldfeldern Südafrikas. | Schilderungen von Land und Leuten, der politischen, kirchlichen und | kulturellen Zustände Südafrikas | von | Carl Christoph Strecker O.M.I. | Mit Titelbild, 100 Abbildungen im Text und einer Karte. | [Transvaal coat-of-arms] | Wappen von Transvaal. | Freiburg im Breisgau. 1901. | Herdersche Verlagshandlung. | Zweigniederlassungen in Wien, Strassburg, München und St.Louis, Mo.

8°: xv, [1], 681, [1], [2 advert]p; glossy photograv pl with tissue as tip-in front; 100 wood engravs in text & photos; col fold map of South Africa tip-in at end of index. Elab decorated pale greenish-gray cloth, a scene, with native, native arms, and diamond in colors on cover with title in gold outlined in black; similar title & decor on spine; back cover with multiple blind-ruled frames. Pale green & dk green floral endp. 23.6 x 15.5. cm(9 1/4 x 6 1/8 in). Cut. Ae mbled. USGS Kunz Coll, GS 34-309; JSL.

Cont: 1/2tp; front; tp; quot & publ data; fwd; tab cont; ill list; 16 chs; concl; index; map; advert.

In his forword, Strecker acknowledges that this work is a reconstruction of a voyage to South Africa from extensive notes and letters sent by others but it is so written that it seems to be a firsthand account. Nevertheless the book contains an enormous amount of information on all aspects of South African life and industry, with a good chapter on the diamond mines, Ch 11, 482-522, and additional material in Ch 13 which discusses Cecil Rhodes and his accomplishments. In addition to being well illustrated, the binding is attractive and colorful, and on the whole a fine example of quality book manufacture of the period. The author was a Catholic missionary.

6393. STRECKER, J K The distribution of the naiades or pearly fresh-water mussels of Texas. *Spec Bull Baylor U Mus*, Waco, 1931, p 3-71. Not seen.

STREEP, N, see ST MAUR, S

STREETER, EDWIN WILLIAM

Eminent jeweler of London, active in obtaining pearls & gemstones at their sources, sometimes at high cost and small profit. *The Times*, London, Sat Dec 6th, 1884, announced a viewing of Streeter's gem collection to be sold at auction by Foster's Auction Rooms, Pall-Mall, commencing Tueday Dec 9th, 1884, upon the occasion of Streeter's retirement after 40 years of business as a jeweler in Bond Street. "His own ships have fished for pearls for him in the seas of Borneo and New Guinea, and his own agents have explored Ceylon and other regions where gems are still to be found."

6394. -----1877

Precious Stones | And | Gems, | Their History and distinguishing Characteristics | By | Edwin W.Streeter | Illustrated with | Colored Plates, Photographs, &c. | [vignette: cut diamond] | The Great "Table" Diamond, 242 1/2 carats. | London: | Chapman & Hall, 193, Piccadilly, | 1877. [title in red & black]

8°: [6], ix, [1 blank]p + p [11]-264; front col litho pl tip-in with tissue + 4 other similar col pls, with tissues, all tip-ins + 2 actual photo prints of diamond mining in South Africa, tip-ins, face-to-face, with tissue between; 2 line drawing pls, tip-ins, no tissues; 2 text fig. Ch orns, inits. Grayish-blue cloth, elaborate gold globe on cover depicting Britannia atop, surrounded by nine graces, each bearing the name of an important gemstone, all within a black, triple-rule frame on both covers. Gold lett, rules on spine. Bev bds. Grayish, matte-finish, endp. Aeg. A later issue has black double-rule frame on front cover, blind on back cover; corner floral orns in black on front. Bds not beveled nor edges gilt. 21.6 x 14 cm (8 1/2 x 5 1/2 in). Col pls listed at p 138 & 174 misbound at p 147 & 178 respectively. USGS Kunz Coll, GS 34-566. JSL.

Cont: 1/2tp; errata; front; tp; print data; ill list; tab cont; pref; text in 5 sect; remarks on term "carat;" index.

A large and highly important treatise on gemstones, the first in a long series of editions, from the hand of the well-known and wealthy London jeweler. Section 1 contains chapters defining gemstones, their occurrences, ancient uses, lapidary treatment, and commerce. The next three sections take up the mineral gemstones and provided for each a description which includes remarks on properties, deposits, varieties, etc. The last section is on pearls and coral. Amber is included in section 4.

Streeter, obviously well-read in his subject, and certainly with vast experience in the practical aspects of buying and selling gemstones, pearls, and jewels, penned a work that won instant popularity, not only for its easy, readable content of almost impeccable accuracy, but also for its inclusions of interesting anecdotes from his personal experience and remarks of a practical nature on the business of buying and selling the wares of a jeweler. The color lithographs are largely crude representations whose garish hues and amateurish rendition are inconsistent with the much higher quality text. Two of the line-drawing plates, showing cut gems versus weights, are in the manner of those in Jeffries' *A Treatise on Diamonds*, which see, but chiefly of interest, insofar as illustrations are concerned, are the remarkably good actual photographic prints that depict early opencut mining at Kimberley; these are printed upon very thin photo paper and cemented to thick-paper leaves. They are valuable now as early examples of the photographer's art in addition to their historical value; commonly they are missing from copies both because of their desireability and because of the tendency for the plates to break loose from the book through frequent turning of pages. Despite the age of all editions of this work, all contain so much useful information of historical value that copies remain in demand.

In respect to material quality of paper & binding, it is indeed strange that despite Streeter's personal stature and importance, he apparently could not influence the publisher to use better materials. Most copies contain seriously embrittled paper which commonly crumbles at the slightest flexure, while the color and other plates suffer from being on such thick, also embrittled paper, that they ordinarily broken at the hinge and loosened, or missing altogether. Use of thick layers of glue on the spine also results in cracking of the back, loosening of sections, and other damage in the course of ordinary handling. The many copies that I have examined have been so poor in condition that it is impossible to rebind most of them; anyone obtaining a copy is advised not to attempt rebinding or repair, but contain the book in a clamshell case or similar protective enclosure.

Probably the first issue of this work in gilt edge state was soon exhausted because such copies are rare and later printings, of which I have identified three, are recognizable in the first by being uncut at the top, with plates being placed in correct position in the second(pale gray dull-finish endp & a 4-rule, corner orn cover, blind on back), and a somewhat smaller version, 21.3 x 13.8 cm(8 3/8 x 5 1/2 in) in the third, this also with pale brown dull-finish endp and a 2-rule, orn cover, with, however, a blind-ruled border enclosing a blind-ruled frame on back. The contents are the same in all of them, including the extremely brittle paper that commonly alters in hue to a disagreeable grayish or brownish color. Additionally, I have seen copies full-bound in red calf by Stocker of London, gilt, with marbled endp, all edges marbled, dk green gilt spine label; these are inscribed by Streeter and may have been specially commissioned presentation copies. A similar special binding was also noted for the second edition below.

6395. -----1879, 2nd edit

Precious Stones | And | Gems | Their History and distinguishing Characteristics | By | Edwin W.Streeter, F.R.G.S., | "Gold Medallist of the Royal Order of Frederic;" | "Gold," its Legal Regulations and Standards, &c., &c. | Illustrated | [vignette] | The Great "Table" Diamond, 242 1/2 carats. | Second Edition, With Additions | London: | Chapman & Hall, 193 Piccadilly, | 1879, [title in red & black]

8°: xiii, [1 blank], [1], [1 blank]p + p[17]-141 + [1]p + [2 blank]p + 122 p + [1]p + [1 blank]p + 42 p + [1]p + [1 blank]p; tip-in col front litho pl with tissue(now the Stewart diamond) + 9 col litho pls, tip-ins, with tissues + 2 line-drawing pls and the 2 photo plates as before. Same text fig. Grayish-blue cloth, same gold orn on cover in black 2-rule frame; bev bd. Gold lett, rules on spine. Back cover with black 2-rule border. Dk green, dull-finish endp. 21.2 x 13.6 cm(8 3/8 x 5 3/8 in). Cut. JSL.

Cont: 1/2tp; print data; front; tp; quot; ill lists; tab cont; prefs; text in 3 parts; carat remarks; indexes to parts; errata; blank p.

The text, for an unstated reason, is now broken up into three separately paged parts which adds nothing but confusion. The first part treats generalities as before, but also treats the diamond, while the second part considers mineral gemstones plus amber, and the last part, as before, is devoted to the pearl. Entirely reset, numerous minor revisions, additions; much new matter added to pearls. Of the actual photo prints, one is now

PRECIOUS STONES

AND

GEMS,

THEIR HISTORY AND DISTINGUISHING CHARACTERISTICS.

BY

EDWIN W. STREETER, F.R.G.S., M.A.I.

Gold Medallist of the Royal Order of Frederic;
Holder of a Gold Medal from H.M. the King of the Belgians;
Author of "THE GREAT DIAMONDS OF THE WORLD;"
"GOLD; its Legal Regulations and Standards," &c., &c.

Illustrated.

FOURTH EDITION,
REVISED AND PARTLY RE-WRITTEN

LONDON:
GEORGE BELL & SONS, YORK STREET,
COVENT GARDEN.
1884.

[ALL RIGHTS RESERVED.]
ENTERED AT STATIONERS' HALL.

6397. Fourth edition titlepage of Streeter's general work on gemstones which enjoyed a long career, passing eventually into a sixth edition

replaced by another showing a later stage in the opencut mining at Kimberley in which the pit is surrounded by a network of haulage wires. Several additional color plates have been added on diamond, including one on diamond drill bits; a color plate of pearls is also added.

6396. -----1882, 3rd edit

Precious Stones |...| Edwin W.Streeter, F.R.G.S., | "Gold Medallist of the Royal Order of Frederic;"' | "Holder of a Gold Medal from H.M. the King of the Belgians;" | "Gold," Its Legal Regulations and Standards, &c., &c. | ...| Third Edition, | London: | George Bell & Sons, York Street, | Covent Garden | 1882 [title in red & black]

8°: xiii, [1 blank], [1], [1 blank]p + P[17]-141 + [1], [2 blank]p + 122 p + [1], [1 blank], 42, [1], [1 blank]p; same ill. Olive-green cloth, same gold orn on cover but with different black-rule frame; gold lett, rules on spine; blind back cover frame. Bev bds. Dk greenish-gray dull finish endp. 21.6 x 13.5 cm(8 1/2 x 5 3/8 in). Cut. LC 3-12769. JSL.

Identical to the previous, even to the same broken type and errata, and despite the preface statement that material has been added I have found none. A paper slip "Note" is tipped-in to face p 92; it advises that "diamonds may be found in payable quantities" in the Echunga Gold Diggings in Australia.

6397. -----1884, 4th edit, rev, part rewritten

Precious Stones |...| Illustrated. | Fourth Edition, | Revised And Partly Re-Written. | London: | George Bell & Sons, York Street, | Covent Garden. | 1884. | [All Rights Reserved,] | Entered At Stationers' Hall

8°: xvi p + p[17]-347 + [1 blank], 10 advert, [2 blank]p. Col litho front pl with tissue tipped-in + 5 other col pls with tissues & tipped-in; 1 line drawing pl tip-in; 3 fig. Same binding; endp dull charcoal gray. Same p size. 15s. USGS Kunz Coll, GS 34-565. JSL.

Cont: 1/2tp; print data; front; tp; quot; ill list; tab cont; prefs; text in 4 sect; addenda; appends; index; blank p; advert; blank f.

While much is rewritten and material added, there are also excisions, notably the former chapter on famous diamonds whose information presumably now appears in Streeter's work on the same subject described below. The text now treats general gemological matters in the first section, diamonds in the second section, colored stones in the third, and precious and semi-precious stones of lesser value in the fourth section along with coral and pearl. The addenda reports on diamonds recently found in the United States and notes the discovery of diamonds in New Zealand. Appendix A discusses and briefly describes methods of gem identification coupled with remarks on physical & optical properties, while Appendix B is the previous discussion of carat weight. As before, the paper is lamentably poor quality and the illustrations as naive as before, but see the next edition for improvement. The photographic prints are now omitted. Reprinted with same date but with brownish-red cloth, charcoal gray endp; paper pale tan in hue and vastly superior in quality and freedom from embrittlement.

6398. -----1887, 4th edit, Boston

Precious Stones |...| Illustrated. | Fourth Edition Revised. | Boston: | Estes And Lauriat. | 1887.

Identical but pagination ends at p 347, with additionally [3 blank]p. Smooth, maroon cloth, black title on paper label glued to spine; white endp. 22 x 14.2 cm(8 5/8 x 5 5/8 in). Teg. JSL. Despite its later date, this issue retains the same poor quality paper as the first issue of the 4th edition suggesting that sheets of same were supplied to Estes And Lauriat who bound them up. GS 17-322.

6399. -----1892, 5th edit, much rewritten

Precious Stones | And | Gems, | Their History, Sources And Characteristics. | By | Edwin W.Streeter, F.R.G.S., M.A.I. | Gold Medallist of the Royal Order of Frederic: | Holder of a Gold Medal from H.M. the King of the Belgians; | Author of "Pearls and Pearling Life;" | "The Great Diamonds of the World;" | "Gold; its Legal Regulations and Standards," &c., &c. | Illustrated. | Fifth Edition, | Revised And Largely Re-Written, | With Chapters On The Ruby Mines Of Burma. | London: | George Bell & Sons, York Street, | Covent Garden. | 1892. | [All Rights Reserved.] | Entered At Stationers' Hall

8°: [3], [1 blank], xii, 355, 13[advert]p; photograv portr pl of Streeter is front, with facs sig, tissue, tip-in; 15 col tip-in col pls with tissues; 1 line drawing pl tip-in; 1 photo pl; 3 fig. Ch orns. Maroon pebbled cloth, gold title on cover & spine. Pale

tan-yellow endp. 21.5 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. 12s 6d. USGS Kunz Coll, GS 34-564. JSL.

Cont: 1/2tp; print data; front; tp; tab cont; ill list & corrigenda; prefs; text in 4 sect; appends A & B; index; advert.

Entirely re-written & enlarged in the format established by the previous edition; new material appears in virtually every part of the text and much is now included on the ruby mines of Burma, whose systematic exploitation by modern mining methods was financed in part by Streeter's company. Also to be found are remarks on the Montana sapphire mines and the Egyptian emerald mines. An interesting photograph of the famous Kashmir sapphire locality is now included among the illustrations, also a color plate of rough sapphire crystals from Montana, but for the most part, the color plates remain as poorly prepared as before. Many regard this as the best edition.

6400. -----1898, 6th edit, rev, rewritten

Precious Stones |...| By | Edwin W.Streeter, | F.R.G.S., M.A.I. | Gold Medallist of the Royal Order of Frederic: | Holder of a Gold Medal from H.M. the King of the Belgians. | Illustrated | With Coloured Plates. | Sixth Edition, | Revised And Largely Re-Written, Up To Date. | London: |...|1898. |...

8°: xvi, 339, [1], 15[advert], [1 blank]p; bound-in sepia-tinted front photoengrav portr of Streeter with facs sig, tissue guard(a different & later portrait than before); 13 col litho pls, tissues, tip-ins; 2 text photos; 2 fig. Full green calf, usually faded to pale brown, blind ruled frames on both covers; front cover with square floral orn in gold; elab scrolling & lett in gold on spine. Pale tan endp. 21.8 x 14.4 cm(8 5/8 x 5 5/8 in). Teg. Price: in "skin" 15s(not seen) or in calf 25s. LC 3-12889. JSL.

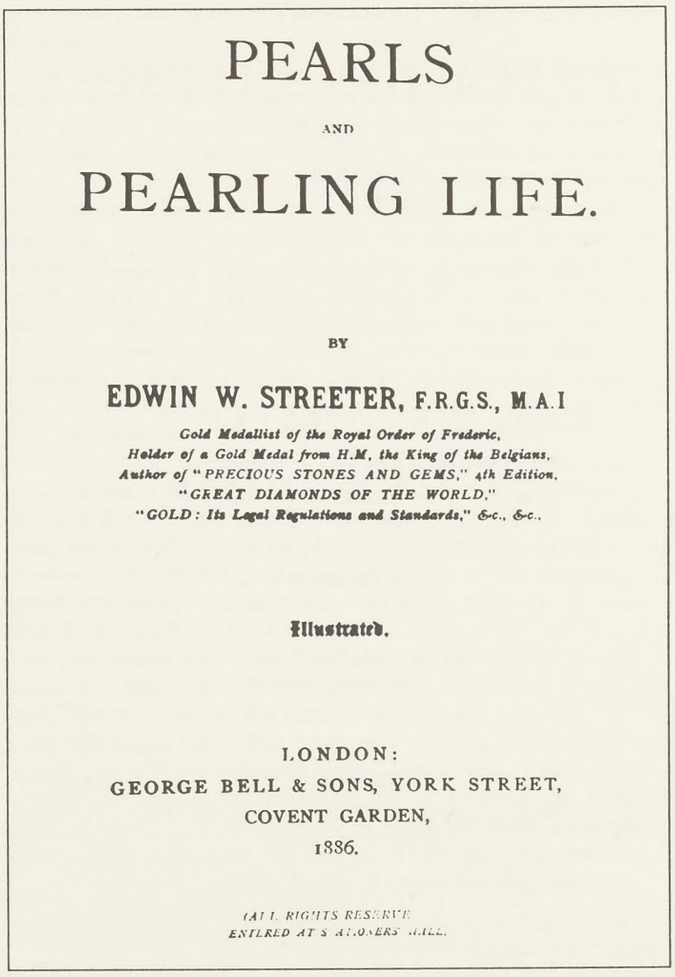
Cont: 1/2tp; other bks of author; front; tp; quot; tab cont; ill list; f; text in 4 sect; appends A & B; index; advert; blank p.

Revised & reset; adds a chapter on coloring of gemstones via heat or by chemical means; also a proposed classification scheme for gemstones. The chapters on diamonds are rearranged. The plates, from which are omitted that on brilliant sizes and the Kashmir photo as well as 2 diamond crystal plates, have been skillfully retouched and improved in clarity and color although they still retain their charming crudity. Last edition in this series; never reprinted or reproduced.

6401. -----1886

Pearls | And | Pearling Life. | By | Edwin W.Streeter, F.R.G.S., M.A.I. | Gold Medallist of the Royal Order of Frederic, | Holder of a Gold Medal from H.M., the King of the Belgians, | Author of "Precious Stones And Gems," 4th Edition, | "Great Diamonds Of The World," | "Gold: Its Legal Regulations and Standards," &c., &c., | Illustrated. | London: | George Bell & Sons, York Street, | Covent Garden, | 1886. | (All Rights Reserved.) | Entered At Stationers' Hall.

8°: [i-ix], x-xvi p + p 17-329 + [1], 10 p[advert]. Tinted front wood engrav pl with tissue, tip-in; 11 engrav text fig; 8 tip-in pls, of which 2 are wood engrav pls are tinted yellow, similar to front, the remainder of pearls & pearl shells in color, with tissues; fold map of pearling regions; head- & tailpcs. Reddish-brown cloth, gold & black orn, with large gold vignette on cover showing Britannia atop the globe surrounded by graces bearing the names of the principal gems, and the whole enclosed in orn black frame, the latter blind on back cover. Bev bds. Blackish-blue endp. 21.7 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. JSL.



PEARLS

AND

PEARLING LIFE.

BY

EDWIN W. STREETER, F.R.G.S., M.A.I

Gold Medallist of the Royal Order of Frederic,
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"GREAT DIAMONDS OF THE WORLD,"
"GOLD: Its Legal Regulations and Standards," &c., &c.,

Illustrated.

LONDON:
GEORGE BELL & SONS, YORK STREET,
COVENT GARDEN,
1886.

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ENTERED AT STATIONERS' HALL.

6401. One of the great pearl classics written by Streeter whose London jewelry firm made a specialty of procuring natural pearls from all over the world

Cont: 1/2tp; tp; tab cont; ill lists; pref; 18 chs; append(biblio 68 entries); index.

One of the finest works on pearls ever published and still useful today because of the scope of the information and its accuracy. Streeter discusses the pearl in history, ancient lore concerning origin and virtues, the animals providing pearls, mother-of-pearl, origin & formation of pearls, the major fisheries, freshwater pearls and their sources, coloration in pearls, famous specimens, the Southern Cross pearl, pearl valuation, and bibliography. Rather typically, the colored lithographic plates are unbelievably poor and do no more than to suggest the objects they mean to depict. Most copies are found in poor condition, many are disbound, and all this owing to the publisher's choice of impermanent materials. The work is now scarce.

6402. STREETER, EDWIN W, with HATTON, JOSEPH(1841-1907) & KEANE, AUGUSTUS HARRY(1833-)

The Great Diamonds | Of The World. | Their History And Romance. | Collected From Official, Private And Other

Sources, | During Many Years Of Correspondence And Inquiry. | By | Edwin W.Streeter, | Fellow of the Royal Geographical Society; Author of "Precious Stones | And Gems;" Gold Medallist of the Royal Order of Frederic; | Holder of a Special Gold Medal from H.M. the King of the Belgians. | The MS. Of The "Koh-I-Nûr" Graciously Read & Approved By | Her Majesty The Queen. | The Accounts Of The "Pitt" And The Eugénie" Revised By | Her Majesty The Empress Eugénie | Edited And Annotated By | Joseph Hatton And A.H.Keane. | [rule] | London: | Published By George Bell & Sons, | York Street, Covent Garden. [1882]

8°: xxiii, [1 blank], [1]p + p 26-321 + [8 advert p, part-numbered], [3 blank]p. P [i-ii] & [iv-vi] blank. Olive-green cloth, blind frames & central blind orn device on both covers; gold lett & rules on spine. Dk greenish-blue endp. Bev bds. 21.9 x 14 cm(8 5/8 x 5 1/2 in). Te uncut. LC 9-1161. JSL.

Cont: blank f; 1/2tp; 3 blank f; tp; publ data; pref; tab cont; introd; 70 chs; append; advert; 3 blank p.

The first major work on famous diamonds in any language and for many years regarded as the sole authority and still much referred to today. Great care was exercised in its compilation and verification of information with the result that relatively little has been corrected or superseded in subsequent works on the same subject. Streeter's eminent position in the jewelry trade and his access to persons of wealth and influence enabled him to obtain details on famous diamonds that otherwise would have been denied to ordinary writers and perhaps would have slipped into obscurity. The discussions of the gems include much historical data and even romantic stories as well as the expected facts on sources, sizes, cutting, etc. A single chapter is devoted to each gem while the appendix conveniently tabulates the stones according to names & weights, before & after cutting.

6403. -----1882(?), "second edit" This actually is a reprint with an additional preface. Title imperfect: the letter "P" in "Private," 4th line, absent. A preface to this so-called "second edition" added. Cont: blank f; 1/2tp; blank p; tp; publ data; pref to sec edit; blank p; pref; tab cont; introd; 70 chs; append; advert(now 10 p altogether); 3 blank p. The adverts include two pages of favorable reviews of the first issue. Same color cloth but the blind frames on covers enclose two orn panels, top & bottom; gold lett & rules on spine augmented by floral orn. Dk, dull gray endp. Bev bds. Page size same, with te uncut. *Note*: the absent "P" was resupplied in later printings of this issue, of which some are fitted with dk gray-green endp. JSL.

6404. -----1971, reprint of above

The Great Diamonds |...| Joseph Hatton And A.H.Keane. | Gryphon Books | Ann Arbor, Michigan · 1971

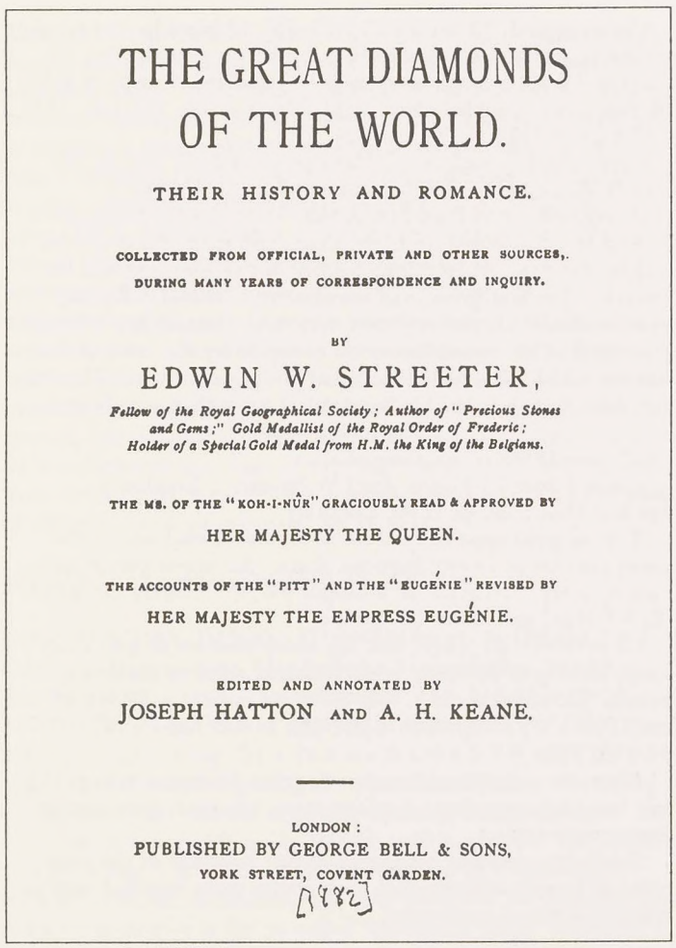
Cementb: [5], x-xxiii, [1 blank], [1]p + p26-321, [1 blank]p. Pale blue cloth, tan printed paper label on spine, title in black with red wavy rules. Pale olive-green endp. 20.8 x 13.4 cm(8 1/4 x 5 1/4 in). Cut. LC 76-78238. JSL.

Cont: tp; modern publ data; pref to 2nd edit; pref; tab cont; introd; same text; append; blank p.

Cheap, facsimile reprint; in my copy the appendix table is very poorly reproduced with loss of print.

6405. -----1895

The | Koh-I-Nûr | Diamond. | Its Romance and History. | With Special Notes by | Her Majesty The Queen. | Also the Curious History of the Celebrated | Pitt Diamond, | With Special Notes by | The Ex-Empress Eugenie. | [4 dots] | Reprinted From "Great Diamonds Of The | World," By Edwin W. Streeter, F.R.G.S. | &c., &c. | [4 dots] | London: | George Bell & Sons, | York Street, Covent Garden, 1895. [title in red & black]



THE GREAT DIAMONDS OF THE WORLD.

THEIR HISTORY AND ROMANCE.

COLLECTED FROM OFFICIAL, PRIVATE AND OTHER SOURCES,
DURING MANY YEARS OF CORRESPONDENCE AND INQUIRY.

BY

EDWIN W. STREETER,

Fellow of the Royal Geographical Society; Author of "Precious Stones and Gems;" Gold Medallist of the Royal Order of Frederic; Holder of a Special Gold Medal from H.M. the King of the Belgians.

THE MS. OF THE "KOH-I-NÛR" GRACIOUSLY READ & APPROVED BY
HER MAJESTY THE QUEEN.

THE ACCOUNTS OF THE "PITT" AND THE "EUGÉNIE" REVISED BY
HER MAJESTY THE EMPRESS EUGÉNIE.

EDITED AND ANNOTATED BY
JOSEPH HATTON AND A. H. KEANE.

LONDON:
PUBLISHED BY GEORGE BELL & SONS,
YORK STREET, COVENT GARDEN.
[1882]

6402. Any treatise on famous diamonds must eventually consult this excellent and still useful work

8°: 81, [1 blank], [4 advert]p, the first f is blank & front pl includ in pag. Tip-in glossy front pl, tissue. Dk maroon cloth, elaborate scrolled frame on cover enclosing the Peacock Throne, with lett, all in gold; small gold floral orn back cover. 13.3 x 10.4 cm(5 1/4 x 4 in). Teg, others untrimmed. Pale tan hand-laid type paper. JSL.

Cont: blank f; front; tp; print data; introd; tab cont; text; tab cont(for Pitt); text; blank p; advert.

The introduction is by Professor Maskelyne. Excerpts appropriate portions of the larger work. The frontispiece shows the Pitt or Regent diamond, with caption. A handsome small work, much scarcer than other Streeter books.

6406. STREETER & CO LTD

Gems [this title appears only on the cover; the second leaf bears the information below:] [nd, ca 1877]

"Telegrams:- "Safeguard, London." | Telephone:- "5298 Gerrard." | Streeter & C° Ltd. | 18 New Bond St. | London W."[foregoing printed diagonally, the name & address in gold ink]

Centerstapled: [3 blank], [1], 62, [3], [3 blank]p; the terminal leaves are used as pastedowns; numerous part-col illus of wares, p 19-[46], heightened in gold; headlines & inits in gold. Dk bluegreen wrinkled cloth, gold title on cover. Bev bds. 21.6 x 14.8 cm(8 1/2 x 5 7/8 in). Cut. JSL.

Cont: blank pastedown f; blank p; print data; text tp; tab cont & index; text; advert; blank p; blank pastedown f.

Promotional brochure that depicts in numerous part-colored illustrations the jewels, watches, cases, and other small articles sold by the firm. After a brief history of the company and its functions, the text gives brief sketches of diamond, ruby, sapphire, emerald, chrysoberyl cat's-eye, opal, alexandrite, and other gemstones. The central leaves are occupied by the colored illustrations which present a wide variety of popular items. The text may have been written by Streeter but no author is indicated.

6407. -----1890(?), another edit

Gems | [rule] | Edwin. [sic] W.Streeter | London | Ent.Stat.Hall. [nd, ca 1890, London]

Title in gold appears only on cover and is enclosed in the lower part by an ornate baroque frame; the upper part is occupied by a representation of a Mogul pavilion bearing the words "Koh-I-Nur" and "Peacock Throne."

Centersewn: 61, [3]p; text fig, many part-col & gilt. Plain wrap, serving as flyleaves, while contents sewn to enclosing boards. Dk maroon cloth, title on cover as before. 22.6 x 15 cm(8 7/8 x 5 7/8 in). Cut. BM(NH). USGS Kunz Coll, GS 34-273; JSL.

Cont: co name & address; pref; gems descriptions(to p 16); cat; heraldry; gemological information; tab cont; gem descriptions; press notices.

Similar to previous catalog of wares; insertion of the pamphlet in boards suggests that such copies were supplied only to specially favored customers.

STREETER, E W, see SCOTT, A & ATKINSON, L

STREHLOW, WIGHARD, see HERTZKA, G

6408. STROHMER, ERICH V

Erich V.Strohmer | Prunkgefässe | Aus | Bergkristall | Kunstverlag Wolfrum | Wien 1947]

8°: 34, [2]p + 48 photos on 24 bound-in semi-glossy f. Pale turquoise blue paper over bds, black vase on cover, black lett spine. Dk blue dj, resume, other publ bks. 20.5 x 14.8 cm(8 1/8 x 5 7/8 in). Cut. DM 6.80. "Wolfrumbücher Nr.14." JSL.

Cont; logo; tp; publ data; text; captions; pls tp; pls.

About the splendid collection of carved rock crystal ornamental vases, urns, table decorations, and the like, preserved in the Kunsthistorischen Museum, Vienna. These are described after a preliminary section on rock crystal, sources, famous lapidaries, and their patrons. The carvings are magnificent and were executed mainly by Italian and Burgundian artisans although the photographic illustrations fail to do them justice. Rev *Achat*, 2, 4, 1949, 172.

6409. STRÖMDAHL ÅKE

Ädelstenar | [taper rule] | Av | Åke Strömdahl | [within a frame:] Forum [Stockholm: Bokförlaget Forum AB, 1949; title in red & black]

4°: 52 p(first f blank) + [2 blank]f; 7 tip-in pls(5 col); 4 fig (2 maps); 4 tabs. Heavy white paper wrap, col pearl shell, cut gems on cover with red-brown & blue lett & frame; back cover vita. 27.1 x 19.1 cm(10 3/4 x 7 1/2 in). Te uncut. Also issued in cream paper over bds, ruled & lettered in red on cover with red cloth spine lettered in silver; the wraps are then bound-in. Paper Kr 12.50, bound 15.50. JSL.

Cont: blank f; 1/2tp; tp; publ data; tab cont; 10 chs; 3 tab; 2 blank f.

The basic facts about gemstones by a noted Swedish master goldsmith; short chapters treat history of gems, gemstone minerals, lapidary work, imitations & synthetics, and descriptions of many gemstones. There are also a list of birthstones, hardness table, and a color table. One of the most attractive features of this handsome book is the use of very good color plates of rough & cut gemstones, not to mention the well done text figures.

6410. STROMER, E; KRAUT, H & STORZ, M Ergebnisse der Forschungsreisen Prof. E. Stromers in den Wusten Ägyptens. IV. Die fossilen Floren Ägyptens. *Abhandl Bayerischen Akad Wiss Math-naturwiss Abt*, Müunchen, NF, 16, 28, 1933, 42 p, but Wieland gives 52 p and the title "Erhaltungszustand und Entstehung der Kieselhölzer Ägyptens." Silicified woods from the famous forests near Cairo.

STROMER, E, see KAISER, E, 1926

6411. STRONG, D E

Catalogue Of The | Carved Amber | In The | Department Of | Greek And Roman Antiquities | by | D.E.Strong | Assistant Keeper of Greek and Roman Antiquities | London | The Trustees Of The British Museum | 1966

8°: xii, 104 p + [24]f, the last f blank; col front pl tif-in; Pls I-XLIII bound-in at end of text(consisting of ca 200 photos) on glossy f. Dk red cloth, gold spine lett. Col dj, photo vignette front cover. 27.9 x 21.5 cm(11 x 8 1/2 in). JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; abbrev; introd(8 sect); cat(5 sect); concordance; sources index; donor index; finds index; general index; pls sect tp; pls; blank f.

Chiefly of interest is the introduction containing a brief but sound discussion of amber varieties, ancient amber nomenclature, ancient sources of amber, the amber trade, uses of amber in antiquity, carving methods, colors and significance in respect to ageing or deterioration, and amber in the Mediterranean world from the Stone Age to the Roman era. The catalog describes the objects, giving dimensions, amber type, descriptions, provenance, and remarks on style of special features. The book is well-made of high-grade materials; clear typography; excellent illustrations.

6412. STRONG, HERBERT T, compiler

Krustallos [to right, 2 lines:] A story | Of Quartz

Above is cover title, but inside title reads:

A Story of Quartz | Its Romance in the Past | Its Realities in the Present | Its Promise for the Future [August E.Miller Laboratories, 9226 Hudson Blvd., No.Bergen, New Jersey, nd, ca 1944].

Last p: "This treatise... was initiated, planned and assembled by Mr. Herbert T.Strong...[with]... aid and advice... Dr.Walter G.Cady... Dr.Paul F.Kerr... Joseph D'Agostino... Dr.Fred H.Pough... John J.O'Neill..."

Centerstapled: blank f + 36, [4]p; 50 ill(mainly high-quality photos); 6 pale-green & black sketches. Black glossy wrap, photo of quartz crystal on cover with title; pale-green, gray & black map of South America on back cover 30.3 x 22.7 cm(12 x 9 in). Cut. Also in cloth, with both wrap covers cut-out & pasted to bds. JSL. LC 44-24055.

Handsome advertising brochure issued by a company manufacturing quartz piezoelectric frequency-control wafers during World War II. Inasmuch as Mr Miller was interested in all aspects of quartz, including the cultural, the illustrations include fine photographs of natural crystals, objects of art made from rock crystal, quartz crystal mines, etc, in addition to those showing steps in the manufacture of the wafers. Parts reprinted, with some photos, in *The Mineralogist*, 9, 9, 1944, 267-70.

6413. STRONG, HILDA ARTHURS A sketch of Chinese arts and crafts. Peiping, 1926. Not seen.

6414. -----1933, 2nd rev edit

A Sketch Of | Chinese Arts | And Crafts | By Hilda Arthurs Strong | Second Revised Edition | Henry Vetch Publisher | The French Bookstore | Peiping MCMXXXIII

8°: [10], [2 blank], 329, [3 blank]p; tip-in photo front pl + 9 others tip-in; 17 fig. Pale brown cloth, title on cover & spine. Pale brown & blue front endp map; pale brown dynasty chart back endp. Dj. 16.8 x 11.5 cm (6 5/8 x 4 1/2 in). Cut. Te stained green. JSL.

In addition to chapters treating history, religion, symbolism, etc, as well as chapters on the arts & crafts, Ch 9, 192-236 provides a useful survey of jewelry and carvings in jade, ivory, amber, and semiprecious stones, among them being jades, pearl, ivory, amber, jet, turquoise, lapis lazuli, aquamarine, tourmaline, alexandrite, quartzes, malachite, soapstone, coral, also kingfisher feather-work, and Peking glass. The discussions are general and aimed at the untutored public but of value because of pointing out the falsifications, substitutes, and other forms of deception that are practised.

6415. STRONG, MARY FRANCES

Desert Gem Trails | A Field Guide to the | Gem and Mineral Localities of the | Mojave Desert, | Colorado Desert, | and adjacent areas of | Nevada and Arizona | By Mary Frances Strong | [logo] | Price $2.00 | Published By | Gembooks | Mentone California 92359 | Copyright © 1966 by Gembooks

Centerstapled: 81 p (p 81 is inside back cover); 90 text maps, some multiple, some with insets, and one forms the centerfold. Col wrap, front cover photo, other publ bks back cover; note inside front cover. 20.9 x 13.7 cm(8 1/4 x 5 3/8 in). Cut. JSL.

How to reach many collecting sites (mostly for chalcedonic quartzes), with advice on what to look for, the status of the properties, road conditions, camping facilities, sources of supplies, elevations, etc. The maps are simple line drawings showing roads, trails, physical features, and collecting sites. Frequently reprinted.

6416. STRUBEL, G Hydrothermale Kristallwachstumprozesse. *Zs Dt Gemm Ges*, 21, 2, 1972, 58-85, 19 ill, tab, ca 30 ref. Crystal growth processes: theory, apparatus, etc, for growing crystals in aqueous media; includes gemstones.

STRUNZ, HUGO(1910-)

Ger mineralogist; PhD Ludwig Max U Munich 1933; Dr Sci(Tech) Technol Hochschule Munich 1935; numerous acad honors; teacher & researcher, author of many articles & publs. Biogr by W Simon, *Der Aufschluss*, 31, 1980, 33-8, portr; see also W Vierling, ibid, 41, 1990, 1-2.

6417. -----1952 Die Mineralogie bei Albertus Magnus. *Acta Albertina(Regensburger Naturwissenschaften)*, 20, 1951/52, 19-39. Also print wrap separate, centerstapled, with tip-in glossy pl bearing photo of a 13thC ms page and photo of the Jammy edition of Lyon, 1651. 24.3 x 16.9 cm(9 1/2 x 6 5/8 in). Paper browned. Apparently the first attempt by a modern mineralogist to produce a meaningful commentary upon the mineralogy of Albert the Great, via a translation of *De mineralibus*, included in the first compilation of his works in book form by Jammy, Lyon, 1651. Strunz reviews previous commentaries on Albertus' natural history writings but notes deficiencies in regard to their treatment of inorganic materials. This is followed by a brief biography and general comments on the work. A translation, however, is not provided, rather Strunz discusses the individual minerals and gemstones in alphabetical order, p 24-34. Extended comments are provided on Book I, which treats minerals in general, but only the contents of Books III-V are noted. On p 38 is a diagrammatic chart of the "Mineral System" proposals from Aristotle to Agricola. For a much more elaborate treatment of Albertus' book of minerals, see D. Wyckoff.

STRUNZ, H, see AUFSCHLUSS, DER

6418. STRUNZ, HUGO; TENNYSON, C & UEBEL, P J Cordierit. Morphologie, physikalische Eigenschaften, Struktur; Einschlüsse, orientierte Verwachsungen. *Der Aufschluss*, 21, 1, 1970, 2-22, 25 fig. Also in offprint, centerstapled, [1], 22, [2 blank]p, printed wrap. 21 x 14.9 cm(8 1/4 x 5 7/8 in), Cut. JSL. Detailed mineralogical study of cordierite(iolite): crystallography, properties, atomic structure, chemical composition, twinning, etc, but with an important section entitled "Cordierite as a gemstone,": in which appear description of trichroism, refractive indexes, inclusions, especially biotite as the cause of the red aventurescence in the so-called "bloodshot iolite," and also inclusions of magnetite, etc. Inclusion photos supplied, with orientations. The definitive paper on this mineral.

6419. STRUNZ, HUGO & WACHSEN, GERHARD Perlen aus dem Fichtelgebirge. *Der Aufschluss*, 29, 1978, 379-95, 19 ill, 34 ref. Remarkable, highly informative article: history of pearling in the Fichtel Mountains of Germany, the natural history of the freshwater mussel, structure of nacre, the pearls, cultivation of mussels, productive streams.

STRUVE, HEINRICH VON(1751-1826)

Swiss chem & mineralogist; stud Lausanne & Tübingen univs; prolific writer on minerals & geology of his country. *Biogr Univ*, 83, 66-7; Pogg 2, 1033-4.

6420. -----1822

Beiträge | zur | Mineralogie und Geologie | des nördlichen Amerika's. | [rule] | Nach Amerikanischen Zeitschriften bearbeitet | von | Heinrich von Struve, |...[4 lines of honors]...| [engrav vignette, Lake Superior copper country] | [taper rule] | Hamburg 1822, | bei Perthes & Besser.

8°: [1], [1 blank], [4], 124 p. 18.7 x 12 cm(7 3/8 x 4 5/8 in). Cropped. BM(NH).

Cont: tp; pref; tab cont; 7 chs.

Contains: "VI, Beschreibung einer Art von Bernstein... entdeckt zu Cape Sable, Magothy=Fluss, Grafschaft Ann=Arundel in Maryland, von Dr. G. Troost, aus Baltimore," p 81-99. Report on newly-discovered amber of Cape Sable, Ann Arundel County, Maryland, from an article which originally appeared in

Amer J Sci, 3, 1821, no 1. Gerard Troost, b Bois-le-Duc, Holland, 1776; MD Univ Leyden; stud under R J Haüy; to Philadelphia in 1810, where established pharmacy & chem lab; prof mineralogy & chem Nashville U, 1828-50; state geol Tenn 1831-50; d Nashville 1850.

6421. STUBBS, L M

A Monograph | On | Ivory Carving | In The | North=Western Provinces And Oudh. | [rule] | By L.M.Stubbs, I.C.S. | [vignette of Engl royal arms] | [wavy rule] | Allahabad: | Printed by Frank Luker, Supdt., Government Press, North-Western Provinces and Oudh. | 1900. | Price Re.1 (1s 6d.)

4°: [2], 14 p. Red pebbled paper over thin bds, with title part enclosed in floral cee-shape orn in black on front. 26.1 x 21.6 cm(10 1/2 x 8 1/2 in). JSL.

Stubbs investigated ivory carving in the provinces of India named above and found it primitive and generally confined to turning out utilitarian objects although more complicated objects such as chess men were sometimes produced. He recommends that the small and disorganized industry be improved with the encouragement and support of the government. Very scarce.

6422. STUBENRAUCH Zur Naturgeschichte des Bernsteins. *Archiv für die Neuesten Entdeckungen aus der Urwelt*, 5, Quedlinburg und Leipzig, 1823, p 3-28. Not seen, from G R v Bock, p 181.

6423. STUCKEY, JASPER LEONIDAS

North | Carolina: | Its Geology | And Mineral | Resources | By Jasper Leonidas Stuckey | Raleigh | Department of Conservation and Development [1965]

8°: [2], xviii, [1], 550, [4 blank]p; portr of author + 14 pls, 13 fig. Brown cloth, gilt spine title. Orange-tinted photo endp. 22.9 x 15.2 cm(9 x 6 in). Cut. $7.50. JSL.

The last section, p 466-83, treats gemstones, giving a brief history of gem mining and descriptions and occurrences of the most inportant gemstones; some additional material on gemstones in the chapters on abrasives (corundum) and beryllium(pegmatite beryl).

6424. STUDER, PAUL & EVANS, JOAN

Anglo-Norman | Lapidaries | By | Paul Studer, M.A., D.Lit. | Taylorian Professor of Romance Languages | in the University of Oxford | And | Joan Evans, B.Litt. | Sometime Librarian of St.Hugh's College, Oxford. | [logo] | Paris | Librairie Ancienne Édouard Champion | Édouard Champion | Librairie de la Société de l'Histoire de France et de la Société | des Anciens Textes Français | 5, Quai Malaquais | [rule] | 1924

8°: XX, 404 p. Pale tan wrap, title on cover & spine; other publ bks inside back cover & on back cover. 25.3 x 16.6 cm(10 x 6 1/2 in). Uncut. Paper browning. JSL.

Cont: 1/2tp; tp; print note; pref; tab cont; introd; the mss; table of sources(doublep, tip-in); tab of stones; text; notes; gloss.

Collects and reproduces several ancient lapidaries, primarily those of Marbod's poem and its variants, but also others, including several dealing with the virtues of engraved gems, examines them, and compares their contents. The greatest emphasis is placed on Marbod with much of the introductory remarks devoted to him and the materials which he used to compose his work. A doublepage chart shows the probable derivations of the lapidaries from early Greek sources. The text itself presents the various texts in seven chapters followed by extensive notes and a glossary of obscure terms. An important scholarly work and scarce, with the probability that it may become much scarcer due to the poor quality of the paper used.

STÜLER, STUELER, see STELLA, E

6425. STURM, K CH G

Mineralogie der Baukunst | oder | Beschreibung | aller zum Bauen anwendbaren | Stein= und Erdarten, | für | angehende Baumeister, Kameralisten, und | solche, welche die Kunst erlernen wollen, | dauerhafte Haüser zu Bauen, | von | K.Ch.G.Sturm, | der Societät für die gesammte Mineralogie zu Jena | ordentlichen Mitgliede. | [taper rule, below a long rule] | Chemnitz, | bei Georg Friedrich Tasche, | 1800.

8°: XXXIV, 193, [1 blank]p. In printer's wrap. 19 x 12.2 cm(7 1/2 x 4 3/4 in). Uncut. JSL.

Cont: tp; dedic; pref; introd; tab cont; text; appends; blank p.

One of the earliest works written specifically to acquaint builders, and especially apprentices in the building trades, with the kinds and properties of stones that could be used in construction, among them some that can be classed as ornamental gemstones. The introduction presents the properties, namely, color, texture, luster, fracture, diaphaneity, hardness, streak, tenacity, and where known, density and chemical composition. Sources of stone are also given. Of interest to the gemologist are the cryptocrystalline quartz varieties, including agate, jasper, and flint, serpentines, marbles, onyxes, and alabaster. The appendices discuss the quarrying of stones and natural resistivities to weathering. A rare work.

STURM, V, see TINNEFELD, N

6426. STURMS, EDUARD Der ostbaltische Bernsteinhandel in der vorchristlichen Zeit. *Commentationes Baltica*, Bonn, 1, 1953, 1954, p 167-205. Not seen, from G R von Bock, p 181.

6427. STURZAKER, JAMES

Gemstones | and their occult power | by | James Sturzaker | By the same author: | Colour And Kabbalah | (with Doreen Sturzaker) | Kabbalistic Aphorisms | The Twelve Rays | Merlin Publications [np; Engl, 1977]

Cementb: [2], 130 p; 1 text fig. Glossy yellow wrap, black lett & red gem on cover; spine title; back cover resume. 19.1 x 12.4 cm(7 1/2 x 4 7/8 in). Cut. JSL.

Cont: tp; publ data; tab cont; text.

The text begins with general remarks on the powers attributed to gemstones from antiquity, citing several examples, and commenting upon the Biblical gemstones. This is followed by an alphabetical list of gemstones from "achates" (not considered to be the same as "agate", which is dealt with separately!) to "zoronysius," p 18-96. Altogether there are about 150 gemstones and other stones briefly described and their specific occult powers or virtues given. However, for many there are no identifications with modern minerals or stones, and only a few are backed up with references to ancient treatises. There is no bibliography but it is apparent that the author has systematically extracted all of

the stones he could find in Pliny, Albertus Magnus, and other ancient authorities, to which some magical power was ascribed, and included them in the present list. Next follows a section that deals with medicinal preparations and how they are made via pulverization, calcination, solution, volatilisation, etc, then the treatments advocated by Camillus Leonardus for "syrupisation," and finally a miscellany of information, including myths and legends, astrological significance of gemstones, and the "twelve rays" and their meaning.

STUTZER, OTTO(1881-1936)

Ger geol; stud in Königsberg, München, Tübingen univs; grad Heidelberg 1904; much traveled field geologist; geologist to govt of Colombia 1921-26; prof fuels-geology Freiberg Bergakademie. Biogr by L J Spencer, *Min Mag*, 25, 1939, 300.

6428. -----1911

Die | Wichtigsten Lagerstätten | Der | "Nicht-Erze" | Von | Dr. O Stutzer | Privatdozent Für Mineralogie Und Geologie An Der Kgl.Bergakademie | Freiberg, Sa. | [rule] | Erster Teil; | Graphit, Diamant, Schwefel, Phosphat | [rule] | Mit 103 Textabbildungen | [rule] | Berlin | Verlag Von Gebrüder Borntraeger | W 35 Schöneberger Ufer 12 a | 1911

First volume in a series which eventually reached six in number, the initial volumes being called parts while the later were called volumes. Contributions from various authors.

8°: XV, 474, [6 advert]p; 108 fig, many tab. Brown, unfin cloth, gold lett on cover & spine; gray & brown patterned endp in Art Nouveau style; bookmark. 24.6 x 17.5 cm(9 3/4 x 6 7/8 in). Cut. Te stained pale gray. 15 Mk 9 Pf. Also in thin black cloth, blind ruled frames on covers & spine, latter with gold lett; dk brown dull-finish endp. Also issued in printed wrap. LC 11-5381.

Cont: tp; publ data; fwd; tab cont; ill list; text; index; advert.

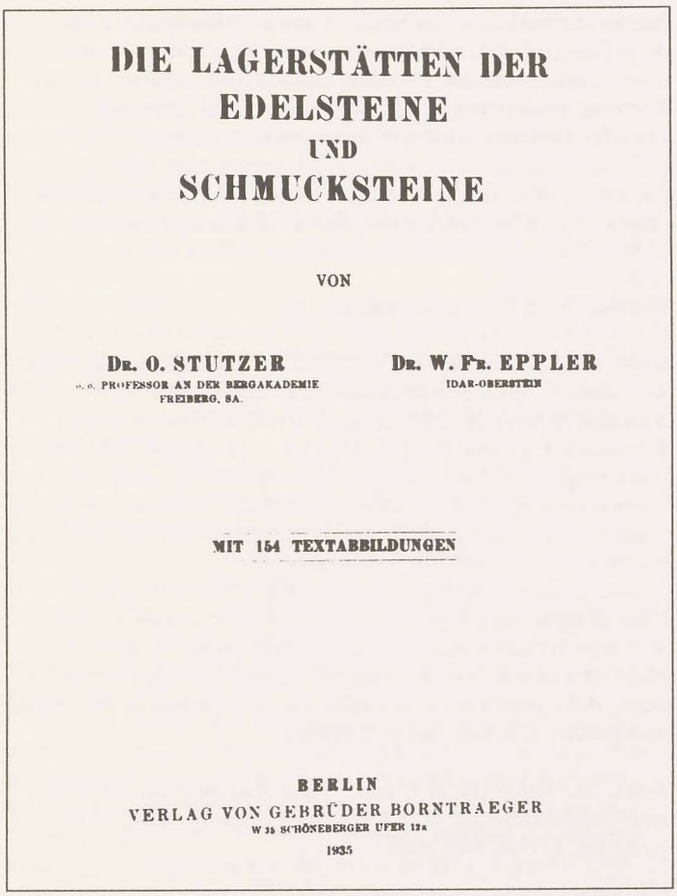
The volumes in this important series treat the major world deposits of the "non-ore" minerals, eg, as in this volume the minerals graphite, diamond, sulfur, and phosphates. Topics for each: mineralogical nature, descriptions of deposits, formation, uses, preparation, and economics, plus others as may be appropriate for the materials being considered. In this volume, only diamond is of interest, being treated on p 89-184, and considering mineralogy, diamond deposits, with most space devoted to those in South Africa, diamond in meteorites, synthesis, uses in ornament and industry, and valuations. It forms an excellent article, full of concise, accurate information, and illustrated with maps, diagrams, and photos. There are statistical data and footnote references.

6429. STUTZER, OTTO & EPPLER, W Fr

Die Lagerstätten Der | Edelsteine | Und | Schmucksteine | Von | [to left:] Dr.O.Stutzer | o.ö.Professor An Der Bergakademie | Freiberg, SA. | [to right, on same levels:] Dr.W.Fr.Eppler | Idar-Oberstein | [rule] | Mit 154 Textabbildungen | [rule] | Berlin | Verlag von Gebrüder Borntraeger | W 35 Schöneberger Ufer 12 a | 1935

Above faces series title: "Die Wichtigsten Lagerstätten...Band VI...1935.

8°: XVII, [3], 567, [1 blank], [4 advert]p; 154 fig. Pale tan, unfin cloth, black lett on cover & spine, the latter with logo. Pale yellowish endp. Bd edges rounded. 25.3 x 16.9 cm(10 x 6 5/8 in). Cut. 45.50 Mk. USGS Kunz Coll, GS 37-113. JSL.



DIE LAGERSTÄTTEN DER
EDELSTEINE
UND
SCHMUCKSTEINE

VON

Dr. O. STUTZER
o. ö. PROFESSOR AN DER BERGAKADEMIE FREIBERG, SA.

Dr. W. Fr. EPPLER
IDAR-OBERSTEIN

MIT 154 TEXTABBILDUNGEN

BERLIN
VERLAG VON GEBRÜDER BORNTRAEGER
W 35 SCHÖNEBERGER UFER 12a
1935

6429. Systematic descriptions of deposits of gemstones worldwide

Cont: ser 1/2tp; ser tp; vol tp; publ data; fwd; tab cont; text tp; text on diamond(Stutzer) to p 216; text tp & gemstones text by Eppler to p 540; place name indexs subj index; blank p; advert.

Stutzer greatly expanded and reorganized his previous contribution on diamond which appeared in the first volume of this series; he calls it the "second improved edition." Topics now include mineralogy, a geological survey of primary & secondary deposits, descriptions of occurrences with a great deal more information on the deposits in South Africa which not only enlarged in number but received more scientific attention in respect to geology & petrology in recent years, diamond deposits elsewhere in the world, diamond in meteorites, synthesis, uses & valuation of diamonds, trade classification of rough, and production statistics. Altogether a valuable summary up to the time of writing. As before, the text is richly illustrated with numerous maps, sections, and photographs, with footnote references.

The second part treats all other gemstones in an excellent manner, following the organisation previously used for describing individual materials, It leans heavily on the data accumulated by Eppler in his *Edelsteine und Schmucksteine*, published in Leipzig also in 1934, and on the information in M Bauer's *Edelsteinkunde*. Gemstones are treated according to the following scheme: *oxides*- quartz, opal, zircon, corundum, hematite, *haloids*-

fluorite, *carbonates-* malachite and azurite, *aluminates-* spinel, chrysoberyl, *phosphates-* turquoise, variscite, *silicates-* tourmaline, topaz, euclase, olivine, scapolite, sodalite group, garnet group, dioptase, spodumene, rhodonite, jades, beryls, feldspars, *titanates-* benitoite, and *organic compounds-* amber, jet. References, in some instances, as many as 40, appear after each species discussion. Abundantly illustrated with maps, sections, photographs, etc. A landmark work, Rev E H Kraus, *Amer Min*, 20, 1935, 402.

SUAREZ, M G, see JEFFRIES, D

6430. SUÁREZ HOYO, VICENTE Esmeraldas. *Republica de Colombia, Ministerio de Minas y Petroleos, Servicio Geol Nacional, Informe* N° 391, Bogotá, 1941. Title from wrap. Edgestapled: [blank]f + [1], 17, [1]f + [1 blank]f. Pale yellow print wrap, cloth hinge. 27.7 x 21.5 cm(10 7/8 x 8 1/2 in). Cut. Carbon copy typescript. Curiously, the title of the text is signed "Enero, 1941. Minneapolis. US.A.", in which city the author was studying at the University of Minnesota.

Unimportant paper on the emeralds of Colombia, their mineralogies and properties, the Muzo mine, mines of Chivor and Somondoco, emerald mineralization processes, general characters of the vein minerals, formations bearing emerald veins, the emerald zone, emeralds found elsewhere in the world, and synthesis. Biblio, last p, 7 entries.

6431. SUBBOTIN, S I, edit [The diamond content of the southwestern margin of the Russian platform]. Kiev, 1970, 120 p, 22 fig, 17 tab. Not seen.

6432. SUESS, FRANZ EDUARD(1867-1941)

Austrian geol; PhD Vienna U 1891 & prof geol 1905-11. Pogg 4, 1464; 5, 1230.

6433. -----1900

Die | Herkunft Der Moldavite | Und | Verwandter Gläser. | [rule] | Von | Dr.Franz E.Suess. | [rule] | Mit Acht Tafeln Und 60 Zinkotypen Im Text. | [rule] | (Separat-Abdruck aus dem Jahrbuch der k.k.geolog. Reichsanstalt. | 1900, Bd.50, Heft 2.) | [rule] | Wien 1900. | Verlag der k.k.geologischen Reichsanstalt. | [rule] | In Commission bei R.Lechner (W.Müller), k.u.k.Hofbuchhandlung | I., Graben 31. | [rule] | Gesellschafts-Buchdruckerei Brüder Kollinek | III., Erdbergstrasse 3.

4°: titleleaf + p193-382; 60 fig(photos & maps), Pls XI-XVIII (photos of moldavites & tektites append to text, each pl with leaf of explanatory text). Pale gray print wrap. 26 x 18.1 cm(10 1/4 x 7 1/8 in). Cut. JSL.

The first extended scientific monograph on the nature and origin of tektites: reviews past contributions, incidental knowledge & lore concerning, and furnishing conclusions, some still accepted today. There are 8 chapters treating knowledge of tektites in Europe, Sunda Archipelago & Australia, and including information on their distribution, nature of deposits in which found, chemistry, physical properties, microscopical characters, forms and surface features, comparisons of sculpturing to that noted in meteorites, and the origin of moldavites and related tektites, A paper valuable to the gemologist because of the detailed information on moldavites which have been cut into gems or used in jewelry in their original states, and the excellent illustrations and accurate property data. Suess was the first to apply "tektite" to this form of material and via this paper to bring them to the attention of the world of science. See also his later paper which re-examines tektites and adds new findings, "Rückschau und Neueres über die Tektitfrage," *Mitt Geol Ges Wien*, 2, 1914, 51-121, 3 pls.

6434. SUITS, CHAUNCY GUY(1905-)

The Synthesis Of Diamond - | A Case History | In Modern Science | [col photos of diamond crystals] | By C.G.Suits [blue slash] Vice President and Director of Research | General Electric Research Laboratory | [rule] | Presented Before The | American Chemical Society | [blue slash] | American Chemical Society | Rochester, New York | [orn] | November 3, 1960

Centerstapled: 22 p(includ front wrap); 5 col photos on insides of wrap; 5 photos, 10 col diagrs & drawings in text. Thick white paper, cover title. 27.9 x 21.6 cm(11 x 8 1/2 in). Cut. JSL.

The history of General Electric's successful attempt to synthesize diamond; illustrations of apparatus.

6435. SUMMERS, H S Obsidianites: their origin from a chemical standpoint. *Proc Roy Soc Victoria*, Melbourne, ns, 21, 1909, 423-43. Not seen.

SUMMERS, H S, see DAVID, T W E

6436. SUNAGAWA, ICHIRO [Diamonds - Their genesis and properties. Tokyo: Maruzen, 1969]. Entirely in Japanese.

8°: [1], [1 blank], [10], 372, [1], [1 blank]p; title on tip-in glossy f; 6 photos on 2 glossy tip-in f after title; 161 text fig; 14 photo ch orns; portr photo of author; 7 tab. Pale brown print wrap, white glossy paper dj, with horizontal bands in orange & red with title. 17.2 x 11 cm(6 3/4 x 4 3/8 in). Cut, 600 yen. JSL.

Cont: tp; photos; pref; refs; tab cont; 14 chs; 2 appends; biblio (p 370-2); blank p; tip-in price tag, Topics: history, origin theories, conjectures arising from synthesis results, external morphology & crystal growth, curved crystals & dissolution, trigons, zonal structures, internal structures & physical properties, cleavage, inclusions, impurities, F C Frank's theory on genesis, diamond in meteorites, evaluation of gem diamonds. Rev *Min J*, Tokyo, 6, 1/2, 1970, 131-2; *J Gemm*, 12, 2, 1970, 55; *Min Abstr*, 21, 1, 1970, 9.

SUNDIUS, N, see GYLLENSVÄRD, B

6437. SUOMEN KULTASEPPIEN LIITTO Jalo- ja korukivimikkeistö. Helsinki, 1965, 26 p. Finnish precious stone nomenclature. Not seen.

6438. SUPRYCHEV, VLADIMIR ANDREEVICH

Krymskie samotsvety. Simferopol: Tavriya, 1973, 70 p. Colored gemstones of the Crimea. Not seen.

6439. -----1975

V.A.Suprychev | Skazanie | O Kamne- | Samotsvete | [rule] | Samotsvety Ukrainy | Izdatelstvo "Reklama" [dot] Kiev - 1975 [title in black & purplish pink]

8°: 172, [2], [1 blank]p; 45 col photos on 19 glossy tip-in f; vignettes in pink & black. Blue cloth-type paper over bds, silver

lett on cover, a silver & gold pendant jewel & gold horizontal double-rule; gold spine title. 21.5 x 16.6 cm(8 1/2 x 6 1/2 in). Cut. 50,000 copies. 1 r, 5 k. JSL.

Cont: tp; resume & edit data; 4 chs(each with own tp & part col vignette); tab cont; publ data; blank p.

The story of precious and ornamental stones in the Ukraine. The first chapter gives general gemological information, the second describes the transparent & facetable gemstones,namely, beryl, topaz, zircon, phenakite, garnet, and crystalline varieties of quartz, While the third chapter deals with gemstones generally useful for making cabochons and ornaments as cryptocrystalline quartzes, common & precious opal, including a variety named "ungarit," a so-called Zarkarpathian gemstone, jaspers, and another special stone called "chernomorit" from the Crimea, also various flints, quartzites, tigereye & hawkeye, lazurite & sodalite, rhodonite, fluorite, tourmaline, labradorite, amazonite, graphic granite, pyrophyllite, gypsum varieties, silicified woods, jet, amber, pearl, nacre, and copals. The color photos are fair to good and illustrate specimens of rough and cut gemstones as described in the text.

6440. SUSHCHINSKY, P P Predvaritelnyi otchet o poezdke v yuzhnoe Zabaikale dlya izucheniya mestorozhdenii tsvetnykh kamnei i volframita [Preliminary report on a journey to southern Transbaikalia for the investigation of deposits of colored gemstones and wolframite]. *Trudy Geologicheskago i Mineralogicheskago Muzeya imeni Petra Velikago Imperatorskoy Akademii Nauk S Peterburg*, 9, 1915, 17-41, map, 3 pls, 6 text fig. Not seen; from *Min Abstr*. Brief geological & mineralogical accounts of the famous gem-producing regions: Schorl Mt(beryl, topaz), Adun-Chilon(quartz, beryl, topaz), Tsagan- Olui & Little Soktui(beryl, tourmaline), Borschovochnoy Range, eg, Urgu-Chan(rubellite, morganite).

6441. -----1917 Zametka o geologicheskom stroenii i mineralogii Sherlovoi Gory v Zabaikalskoy oblasti [Note on the geological structure and minerals of Schorl Mt in Transbaikalia]. *Izvestiya Rossiskoy Akademiya Nauk Petrograd*, ser 6, 11, 8, 1917, 507-20, 2 fig(maps), summ in Fr. Not seen, from *Min Abstr*, 2, 1923, 88.

6442. -----1925 Ocherk mestorozhdenii tsvetnykh kamney yugo-vostochnogo Zabaikalia [A sketch of the deposits of colored gemstones in the south-east Transbaikalia]. *Trudy Instituta Prikladnoy Mineralogii i Petrografii*, Moskva, 15, 1925, p 1-91, figs; Engl summ. Not seen.

6443. -----1926-1927 Akvamarin s Sherlovoy Gory v Zabaikalskoy oblasti [Aquamarine of Schorl Mt, Transbaikalia]. *Izvestiya Donskogo Politeknicheskogo Instituta v Novocherkasske*, 10, 1926-27, p 181-220. Not seen.

6444. SUSTRIK, MARY & SUSTRIK, DENIS

from | slab | to | Cab | [left: 2 vertical orns] | © Copyright, 1969, by Mary & Denis Sustrik | All rights reserved... [2 lines]...| Published By | The Gemstone Magazine | Printed in Alberta Canada | [to right, 2 similar orns] | By Mary & Denis Sustrik [title in brown]

Centerstapled: [3], [1 blank], 41, [3 blank]p; many line drawings. Yellow-green wrap, title & orns in brown & green on cover. 21.1 x 16.9 cm (8 1/4 x 6 5/8 in). Cut. Text reproduced from typescript. JSL.

Entirely on making cabochon gems but with much on a number of unusual forms as matched pairs, drops, squares, loaf cuts, double cabochons, hearts, doublets & triplets, etc.

SUTHERLAND, BETH BENTON

USA gem engraver; maj in art Skidmore Coll, grad 1921; apprentice to gem engraver Ottavio Negri in NYC; specialized in portrait gems.

6445. -----1965

[scroll] | The Romance Of | Seals | and | Engraved Gems | By Beth Benton Sutherland | [scroll] | Foreword By A.E.Alexander | Illustrated with photographs, drawings, and maps. | The Macmillan Company, New York | Collier-Macmillan Limited, London [1965]

8°: xvi, 174, [2 blank]p; 19 photos, 26 fig. Dull red cloth, gold title & scrolls on spine. Black dj, col photo montage on cover with white title; back cover white with advert; resume, vita on flaps. 23.5 x 15.4 cm(9 1/4 x 6 1/8 in). Cut. Te stained pale red. $6.95. LC 65-10403. JSL.

Cont; 1/2tp; tp; publ data; dedic; fwd; tab cont; ill list; note; another note; text tp; author portr; 11 chs; list of tools, techniques, stones, hardnesses; synoptic calendar; biblio(p 167-70, 60 entries); index; blank f.

The first chapter is a fascinating account of how the author became interested in engraved gems and how by taking lessons and guidance from Ottavio Negri, her mentor (and dedicatee), she mastered the necessary skills to become herself a gem engraver of high repute. The other chapters describe the development of gem engraving and the works of gem engravers from antiquity to the present. The first appendix lists the tools and the techniques employed in gem engraving, but is far too short to be useful to one who wishes to learn how, which is a pity, considering that the history of gem engraving, which occupies most of the text space, is readily discovered in many other works on the subject or in modern encyclopedias, but specific hints, tips, and practises such as Sutherland must have mastered are not. Another appendix lists and briefly describes various mineral and organic materials with hardnesses. The synoptic calendar summarizes important developments in the span of gem engraving history. The photographs mostly are engraved gems, many of the author's, as are some of the line drawings, but the latter also include some depictions of tools and equipment based on illustrations in Natter's *A Treatise On the Ancient Method of Engraving on Precious Stones*, 1754, which see. By 1976 this work was out of print. Rev *G & G*, 11, 9, 1965, 287.

6446. SUTTON, ANTONY C

The Diamond Connection | A Manual for Investors | by Antony C.Sutton [np, no publ, but p xi gives "JD Press," 1979; title in blue & black]

Cementb: [14], 180p; front col photo + 2 col photos on one f not includ in pag; ca 50 ill(charts, maps, photos, line drawings); ca 35 tab. Black cloth, gilt spine & cover title. Black dj, col title, flap resume, vita, other publ bks. Text with blue ch titles, headings, nos. 23.6 x 18.7 cm(9 1/4 x 7 3/8 in). LC 78-73779; ISBN 0-933252-00-5. $19.95. JSL.

Cont: 1/2tp; col photo; tp; publ data; dedic; tab cont; publ comment; pref; maps & charts list; text; 3 appends; g]oss; biblio(p 173, 16 entries);index.

A grossly inflated discussion of virtually all aspects of diamonds and the diamond industry with only several chapters actually devoted to the avowed aim of the book: investment in diamonds. It is attractively designed and granting the accuracy of the statistics and analyses of same, it still shows how wrong economists and others can be in predicting how gem diamonds will behave as an investment. The author denigrates the opinions of members of the jewelry press and tradesmen, but as events quickly proved in the deflation of the diamond market, they were right and he was wrong.

6447. SUTTON, ADAH LOUISE(1865-)

Lingua Gemmae | A Cycle Of Gems | Being a History of One Hundred | Precious Stones with the Signification | and Popular Superstition attached to | each and appropriate Poetic Sen- | timents. | By | Ada L.Sutton. [enclosed in a circular wreath, upon which leans a young child bearing a basket of roses; above, a looped wreath, and in upper right hand corner:] | Illustrated | by | Mary Fairman Clark. [in lower right hand corner:] | Published by | The Merriam Company | 67 Fifth Avenue | New York. [1894]

Entire title drawn and printed in green ink.

8°: [2 blank], 222, [4 blank]p; the first blank f and titleleaf are sewn-in. Virtually every page is decorated with vignettes or head- and tailpcs drawn for the work in pen & ink and reproduced in black ink. Pale, greenish-gray cloth, wreath in green, gold & silver, with gold title on cover, gold lett & silver wreath on spine. The cloth contains minute metallic specks. Also issued in white cloth, with the wreath, etc, basically in pink. 18.6 x 14.7 cm(7 3/8 x 5 3/4 in). Cut. Aeg. LC 13-26094. JSL.

Cont: blank f; tp; publ data; dedic; pref; poem; tab cont; birthstones list; colors list; lusters list; sentiments of gems; text; 2 blank f.

A very handsome production, containing short descriptions and poetic sentiments for one hundred gemstones, species & varieties, including some that are very rarely used as gemstones, eg, cachalong and hauynite. The extracted poetry and quotations are from many authors as Shakespeare, Browning, Goldsmith, Tennyson, etc, but are not really pertinent to gemstones, and insofar as these are concerned, the work is valueless save as a pleasant form of reading with some basic gemological information forming its framework.

SUTTON, JOHN RICHARD (1864-1937)

Brit scientist; grad maths Cambridge U 1889 & ScD in 1908; to De Beers at Kimberley and in 1898 placed in charge their meteorological sta at Kenilworth, nr Kimberley; ret 1928. Scient writings mainly meteorological,but developed interest in diamond; introduced names "framesite" and "stewartite" for impure forms of diamond. From biogr note by L J Spencer, *Min Mag*, 25, 1939, 300-1. See also obit in *G & G*, Winter 1937, 142.

6448. -----1918 Kimberley diamonds: especially cleavage diamonds. *Trans Roy Soc S Africa*, Cape Town, 7, 1918, 65-96; reprint: *Chem News*, London, 118, 1919, 31-4, 38-41, 55-8, 64-7. Not seen.

6449. -----1921 Overgrowths on diamond. *Trans Roy Soc S Africa*, Cape Town, 9, 1921, 87-104, 3 fig. Reprint: *Chem News*, London, 122, 1921, 147-9, 160-2, 170-3. Diamonds from yellow ground in South African mines failed to adhere to grease on the grease tables due to a coating of calcium carbonate; when this coating removed by acid, adherence restored. Also describes incrusted, laminated crystals, some displaying the "hailstone" or ballas structure. *Min Abstr*, 1, 1922, 379; *Chem Abstr*, 1922, 1614160; *Chem News*, 122, 147-9, 160-2, 170-3.

6450. -----1928

Diamond | A Descriptive Treatise | By | J.R.Sutton, M.A., Sc.D. | With 111 Illustrations | London:Thomas Murby & Co., 1, Fleet Lane, E.C.4. | New York: D.Van Nostrand Company, 8, Warren: [sic] Street | 1928.

8°: xii, 113, [4 advert], [2 blank]p; 111 fig on 26 glossy pls bound-in & tipped-in; 3 text fig. Dk blue cloth, blind frame on cover, gold lett & rules on spine. 21.6 x 13.8 cm(8 1/2 x 5 1/2 in). Cut. In some copies the paper is faintly tinged green. USA $6.00; UK 15s. LC 30-13992. JSL.

Cont: 1/2tp; quot; pl; tp; publ data; pref; tab cont; ill lists; 17 chs; author index; subj index; advert; blank f.

Preface: "This book gives the results of observation made during 35 years or so on South African diamond, chiefly that of Griqualand West." Thus it is understandable, and welcome, that most of the text is a detailed morphological crystallography of the diamond, covering such topics as physical properties, morphology of crystals, their surface features, color, inclusions, aggregate crystals, broken diamonds(due to natural causes), overgrowths, and form modifications, and with numerous sketches of actual crystals on the plates, and other illustrations, mainly photographic, also depicting crystals. All are both useful and excellent in quality. Perhaps more as a change of pace, Sutton concludes his text with a chapter on the facts & fancies connected with the diamond, which chapter contains much interesting matter that is rarely found or even mentioned in other monographs on the diamond, and further adds a chapter on valuation of diamond, giving specific price examples, All of this work forms a truly admirable treatise, especially in respect to diamond crystal morphology. It is scarce. Rev: E H Kraus, *Amer Min*, 15, 1, 1930, 42-3; *G & G*, 1, 12, 1935, 349.

6451. SUZANNET, Le Comte de Souvenirs de voyages. Les provinces du Caucase, l'Empire du Bresil. Paris: Dentu, 1846. Ch VI, 328-37, "La Province de Diamantina," and Ch VII, 338-64, "Exploitation des Diamants dans la Serra del Gran Mogol." Not seen.

SUZUKI, M, see KÔZU, S

6452. SVIRIDOV, GEORGIY IVANOVICH

Georgiy Sviridov | V Krayu | Golubykh | Almazov | Moskva | Izdatelstvo | Politicheskoy | Literatury | 1978

Cementb: 350, [2]p; photo inside front wrap cover; plasticized dk & light blue wrap; title in black & white on cover with photo of diamond crystals; spine title in b&w; back cover resume, price. 16.5 x 10.3 cm (6 1/2 x 4 1/8 in). Cut. 50 k. 100,000 copies. JSL.

Cont: 1/2tp; statement in red ink; tp; publ data; information & problems; text; publ data.

Very comprehensive monograph on diamond: properties, occurrences, with emphasis on Yakutian fields in Siberia, but written in popular style for general consumption.

6453. SVYATSKII, I I Dragotsennye kamni [Precious stones]. St Petersburg, 1895, 8°: 184 p. Sec edit issued in 1902, 184 p. Neither seen.

6454. SWAGERMAN, EVERARD PIETER Waarneeming omtrent de insekten, welken in de gomlak gevonden werden. *Verhandelingen uitgegeven door het Zeeuwsch Genootschap der Wetenschappen te Vlissingen*, Middleburg, vol 7, ii, p 227-58, pl. 8°, Middleburg, 1780. Not seen; above from Scudder, *Biblio Fossil Insects*, 98. On insects in copal.

6455. SWAMY, K N

Future of the Koh-i-Noor | "The brightest Jewel in the British Crown" | Wonderful And Thrilling Prophesies | By | Professor K.N.Swamy | 1956 | Publishers | New Book Society Of India | Post Box No.250, New Delhi | Sole Agents in United Kingdom | Publishing & Distributing Co., Ltd., | 177. Regent Street, London, W.I. | Inland Price: Rupee One. Foreign: Shillings Two or Fifty Cents. Post Free. [title enclosed in orn frame]

Edgestapled: [2], 24, [1], [1 advert]p, includes covers; 4 ill, 2 diagr, V pale green print wrap, title on cover. 24.5 x 18.5 cm(9 5/8 x 7 1/4 in). Cut. JSL.

Cont: tp; ill of Koh-i-Noor & portr + vita of author; dedic & tab cont; fwd; text; advert; pref(from Sen's *History of the Koh-I-Noor*); ill of cut diamonds; advert.

The author, a noted Indian astrologer, credited with having foretold the fates of numerous famous persons, here makes a series of predictions, the principal one being that unless Queen Elizabeth II of England gives up the the Koh-i-Noor to India, the British Empire will be "extinct" by 1958. The main part of the text tells how he came to his conclusions, while in another part, on the malefic influence of certain gems, Swamy suggests that Queen Victoria's widowhood and the Indian Mutiny were caused by her possession of the Koh-i-Noor. The study and prophesies were made at the request of N B Sen, author of the History, etc, of the diamond, which see, and apparently the most vociferous champion of the unsuccessful movement to bring back the gem to India.

6456. SWEENEY, JOHN

Gemmology | John Sweeney | [logo] | Longman [Salisbury, Rhodesia: Longman Rhodesia(Pvt) Ltd, 1971; in the "Bundu Series."]

8°: [7], [1 blank], 112 p; 141 fig(includ a sketch map); 42 col photos on 16 bound-in glossy f. Col photo wrap. 21.2 x 13.4 cm(8 3/8 x 5 1/4 in). Cut. ISBN 0 582 64104 7. JSL.

Cont: 1/2tp; other ser bks; tp; publ data; tab cont; ackn; note; introd; text; gloss; index.

The principal value of this elementary treatise is in the descriptions of the gemstones occurring in Rhodesia(Zimbabwe) but at the same time very little specific information is provided on localities and types of deposits. This information is fleshed out with preliminary sections on crystallography, gemstone properties, identification, synthetics & imitations, inclusions, and lapidary work. All of it is very terse and serves only to arouse interest rather than to guide or instruct. Contains errors. Crystal drawings poorly done, some being in error. Rev *J Gemm*, 13, 3, 1972, 110.

SWEET, JESSIE MAY(1901-1979)

Brit mineralogist in Dept Mineralogy, BM(Nat Hist); known for historical studies of Sloane Collection, biogr of Robert Jameson(1774-1854). Obit *Min Mag*, 43, 1980, 330.

6457. -----1965 Matthew Guthrie(1743-1807): An eighteenth-century gemmologist. *Annals of Science*, 20, 4, 1964, 245-302, Pls IIIa, IIIb, IV. Publ Dec 1965.

The life & writings of Guthrie, born in Scotland, trained as MD, served in Russia, traveled extensively, in Europe, and later settled in Scotland. Under the pseudonym of "Arcticus," he prepared an identification table of gemstones originally published as "A table of gems, of the first and second orders," in *The Bee*, Edinburgh, 1793, 13, p 41-9, 98-103, 121-8, 161-8, 209-14, 233-40, 273-771 and 1793, vol 15, 49-55, 97-105, 210-15. This work provides the main text and is excerpted by Sweet and annotated. Also included are annotated bibliographies of Guthrie's other works. *Min Abstr*, 17, 8, 1966, 748.

6458. SWEETMAN, LEONARD H

Cabochon Gems Today | Leonard H.Sweetman | Assistant Director, | Arthur Hoyt Scott Horticultural Foundation | Swarthmore College, Swarthmore, Penna. | $3.00 per copy, Postpaid | Leonard H.Sweetman | 1712 Fisherville Road | Coatesville, Penna. 19320 [priv publ, 1971]

Edgestapled: [3], [1 blank], [1], [1 blank], 68, [2 blank]p; 16 fig. Dk blue col wrap, cabochons on both covers; front cover title. 22.5 x 15 cm (8 7/8 x 5 7/8 in). Cut. $3.00. LC 70-133939. JSL.

Cont: tp; ackn & publ data; tab cont; pref; text; blank f.

Elementary text offering scarcely anything new, the whole appearing to be a repetition of information readily available in other vastly superior textbooks on gem cutting. The information is fragmentary, often confusingly stated, and poorly organized. Topics: sawing, grinding, sanding, polishing, dyeing agates, standard cabochon sizes, other lapidary processes, and a long section listing gemstones in alphabetical order with some property data and varietal nomenclature. The last several pages list dealers, suppliers, and journals. Never reviewed in any journal, and understandably so.

6459. SWENGEL, HOPE L

The Romance | Of Your Birthstone | by | Hope L.Swengel | Teacher of Science | Seiler School, Harrisburg, Pa. | [orn] | Foreword | By G.Clyde Fisher, Ph.D., L.L.D., | Chairman of the Coordinating Council on | Nature Activities, and Curator of Visual | Instruction, American Museum of Natural | History | Introductory Chapter | By Herbert P.Whitlock, C.E., | Curator of Minerals and Gems | American Museum of Natural History | Illustrations | By William R.Benkert | The Coordinating Council On | Nature Activities | The American Museum of Natural History | 77th Street and Central Park West | New York City [nd, ca 1928; title in frame]

8°: 108, [4 blank]p; line drawing front; pictorial inits. Orange cloth, black lett & drawing on cover. 15.3 x 11.2 cm(6 x 4 3/8 in). Cut. LC 29-2041. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; fwd; 14 chs; biblio (p 108, 8 entries); 2 blank f.

The first chapter by Whitlock treats the symbolism of gems while the remaining chapters describe the birthstones in order and give for each a brief note on value, mineralogy, etc, with most space devoted to the curious lore. The August birthstone, moonstone, is augmented by a chapter which discusses alternative gemstones for this month, namely carnelian and other quartzes. A carefully-prepared work, but despite issue by the Museum it is surprisingly scarce.

AARON'S BREASTPLATE
(See Foreword, P. 9)

THE ROMANCE
OF YOUR BIRTHSTONE
by
HOPE L. SWENGEL
Teacher of Science
Seiler School, Harrisburg, Pa.

FOREWORD
By G. CLYDE FISHER, PH.D., LL.D.,
Chairman of the Coördinating Council on Nature Activities, and Curator of Visual Instruction, American Museum of Natural History

INTRODUCTORY CHAPTER
By HERBERT P. WHITLOCK, C. E.,
Curator of Minerals and Gems
American Museum of Natural History

ILLUSTRATIONS
By WILLIAM R. BENKERT

THE COÖRDINATING COUNCIL ON NATURE ACTIVITIES
The American Museum of Natural History
77th Street and Central Park West
NEW YORK CITY

6459. Swengel's short treatise on birthstones and Biblical gemstones

SWEZEY, M P, see SOLODKOFF, A v

SWINDLER, K, see BALL, S H, *The Roman Book*, 1950

6460. SWINTON, GEORGE

Eskimo Sculpture / Sculpture Esquimaude George Swinton McClelland and Stewart Limited / Toronto, Montreal [sic, title all on one line; 1965]

Oblong 8°: 224 p; 32 col photos; ca 225 b&w photos; sketch map. Pale greenish-tan coarse-wove cloth, brown & gold lett on cover & spine. 22.9 x 27.9 cm(9 x 11 in). JSL.

Cont: 1/2tp; front photo; tp; publ data & ackn; tab cont; fwd; author ackn; text; notes & biblio(p 220-1, ca 33 refs); ill list; explan of map & book design information.

Discusses the history and development of carving by the Eskimos, noting that its primary purpose was utilitarian and using mostly bone and ivory, but in later periods when ornamental objects were also made, steatite, serpentine, and other materials. Among the less common materials are antler, whale bone, wood, and rarely, gypsum and granite. The text is principally a catalog of mostly stone objects, classified according to subjects depicted, eg, human beings, animal life, images from mythology and legend, and others. There are remarks on the art of carving, especially as practised now. Many fine photographs of modern pieces.

SWITZER, GEORGE S

USA mineralogist; PhD Harvard U 1942; to Smithsonian Inst 1948; Chairman Min Sci Dept 1964-69; FGSA, FMSA.

6461. -----1939 Granite pegmatites of the Mt.Antero region, Colorado. *Amer Min*, 24, 12, 1939, 791-809, 9 fig, 2 tab. JSL. Granitic pegmatites produce gem-quality aquamarine and other minerals.

6462. -----1958 The many-sided diamond. *Nat Geogr Mag*, Washington, DC, 113, 4, Apr 1958, 568-86, 4 col photos, 18 b&w. Popular survey: nature of diamond, properties, crystal forms, color, some famous diamonds, cutting, mining, recovery, uses in industry.

6463. -----1967

Diamonds | in pictures | Visual | Industry | Series | [photo of necklace, lower leftcorner] By George Switzer, Ph.D. | Chairman, Department of Mineral Sciences, | Smithsonian Institution, United States National Museum | [logo] Sterling | Publishing Co., Inc. New York | The Oak Tree Press [logo to right] | London And Melbourne [1967]

Edgesewn: 80 p; 96 photos & diagrs. Col plasticized paper over bds, photo of brilliant diamond on cover; white, black, blue lett; spine title; col photo, resume, in pale blue panel on back

cover. 25.4 x 20.3 cm(10 x 8 in). Cut. $3.00. LC 66-25200. JSL.

Cont: tp; photo + other ser bks + publ data; tab cont & ackn; 8 chs; index.

As befits the books in this series the stress in this simply-worded popular work is on technological aspects of diamond rather than cultural. Topics: search for deposits, ancient & modern sources, methods of mining & recovery, cutting, marketing, synthesis, and industrial diamonds. Illustrated with numerous clear and pertinent photographs and/or diagrams. Unusual for a general treatise is the attention paid to obscure applications of diamond in industry. Information concise, accurate, comprehensive. Rev *G & G*, 12, 9, 1968, 289.

6464. -----1967, London, same title but NY publ & logo omitted. 8°: 80 p, same ill. Grayish-green cloth-type paper over bds; silver spine title. Col dj similar to NY cover with resumes of other series bks. P size same. 21/- net. LC no on p [2] omitted. JSL.

6465. -----1971 Questing for gems. *Nat Geogr Mag*, 140, 6, Dec 1971, 834-63, 31 col photos, 3 b&w ill. JSL. A general article emphasizing the lure & romance of gems. Topics: Hope diamond & its history, origin of gemstones, famous diamonds & crown jewels, mining, gems in the Smithsonian Institution, crown jewels of Iran, diamond cutting, and diamond trade.

SWITZER, G S, see HEINIGER, E A & J; also HURLBUT, C S & SWITZER, G S, also INDUSTRIAL DIAMOND ASSOC PROC, 1980

6466. SYDAL, WILLIAM

[dash] A [dash] | Short Treatise | [dash] Concerning [dash] | Precious Gems. | By Wm. Sydal. | Second Edition (Revised), | (Third Ten Thousand). | London: | Published by Hicklenton & Sydal, 4, Queen St., E.C. | Copyright.] [Entered Stationers' Hall [nd, ca 1913]

Centersewn, pale gray silk cord: 39, [1]p; pale gray, thick paper wrap, cover title enclosed in darker gray orn frame. 15.6 x 8.9 cm(6 1/8 x 3 1/2 in). Cut. wrap larger than text. Glossy paper. JSL.

Cont: advert; blank p; tp; blank p; pref; blank p; text.

Presentation brochure briefly describing in alphabetical order 20 gemstones, including pearls, available from the company of Hicklenton & Sydal, gem merchants & silversmiths.

6467. -----1913

A Hand-Book | On | Precious And | Semi-Precious | Gems | By Wm. Sydal. | Author of "A Short Treatise on Gems." | With Coloured Illustrations. | London: | Published by Hicklenton & Sydal, 4 Queen St., E.C. | Copyright. [1913]

16°: [2 blank], [3], [1 blank], [1], [1 blank], 70, [2 blank]p; 3 col ill of cut gems on white panels with pale yellow-tan borders. V thick gray wrap, white title in white orn frame on cover. 15.1 x 9.1 cm(6 x 3 5/8 in). Cut. Glossy paper. USGS GS 40-183. JSL.

Cont: blank f; 1/2tp; 2 col ill,facing, with tissue between; blank p; col ill; blank p; tp; blank p; introd; tab hardness; text; blank f.

The text consists of short descriptions and some scientific data on the common and some unusual gemstones, including the pearl. A valuable feature is the inclusion of current prices which are useful from the historical viewpoint because of the expertise of the author in such matters. A sound and accurate work. The colored illustrations are good and show faceted and cabochon gems, and a fine representation of precious opal. The text is preceded by a hardness table and data on carat weight and platinum. A later printing is detected by worn & broken type; it is identical but the end-papers are heavy gray stock matching the color of the wrapper.

6468. SÝKORA, LADISLAV Ložiska pyropů v Českem Středohoří. *Geotechnica*, Prague, 14, 1952, 26 p, 6 pls. In Czech with Fr summ; pyrope deposits in the Bohemian Middle Mts; not seen.

SYMES, ROBERT, see O'DONOGHUE, M et al, 1976

SYMPOSIUM ON PRECIOUS STONES, PRAGUE 1973, see SBORNÍK NARODNÍHO MUZEA

6469. SZENBERG, MICHAEL

The | Economics Of | The Israeli | Diamond | Industry | Michael Szenberg | Basic Books, Inc., Publishers | New York [1973]

16°: xxi, [1 blank], 183 p; num figs, tabs. Tan cloth dk red lett with silver on spine. Col dj, resume, vita, other bks of publ. 20.9 x 14 cm(8 1/4 x 5 1/2 in). Te stained red. LC 72-89285; ISBN 465-01806-8. $12.50. JSL.

Cont: 1/2tp; tp; publ data; introd; fwd; ackn; tab cont; tabs list; figs list; 7 chs; 3 append; biblio(p 171-7); index; 2 blank p.

In depth study, supported by many figures & data, accounting for the rapid rise in the size & importance of the industry, and with lessons to be learned. There is some information on rough diamonds and trade in same in chapter 2.

6470. SZENDREI, JEAN

Catalogue | Descriptif Et Illustré | De La | Collection | De | Bagues | De Madame Gustave De Tarnóczy. | Avec 300 Gravures. | Par | D^{r} | Jean Szendrei | Secretaire De La Societé D'Archéologie Et | D'Anthropologie Hongroise. | [coat-of-arms vignette] | Paris | A. Lévy, Editeur, 13 Rue Lafayette. | ** | En Vente A Budapest Chez Leo Réval. | 1889.

8°: LVI, 384 p; ca 300 wood engrav, ch orns. 17.5 x 11.6 cm(6 7/8 x 4 5/8 in). Cut. Probably in orig printed wrap. USGS Kunz Coll, GS 34-274. JSL.

Cont: tp; print data; pref; discourse on the ring; cat; index to family names and coats-of-arms.

An extremely important descriptive catalog of the 1100 rings collected in 15 years by Madame De Tarnóczy, whose husband was a member or the Hungarian Parliament at the time. In the preface, the scheme of presentation is explained, comprising 13 groups of rings, beginning with prehistoric examples, passing into antique rings, and those of later periods set with engraved gems, and also rings used as seals and signets, and rings set with gemstones. Other groups are rings set with coins, oriental inscribed rings, imitations & falsifications. The engravings though small are very clear and are distributed throughout. After the preface, the lengthy treatise on rings is valuable summary essay. The descriptions of rings provide dimensions, weights, and other specifics, with the illustrations, where present, commonly

viewing the ring from the top and the side. A scarce treatise and remarkably, rarely mentioned by writers on engraved gems.

6471. TABURIAUX, JEAN(1943-)

La Perle | et ses secrets | Jean Taburiaux | [orn] | Illustration Jean-Paul Ehrmann [priv publ, Paris, 1983]

16°: [2 blank], 252, [1], [1 blank]p. ca 80 line drawings; 14 sketch maps. Plasticized white paper over bds, with black & blue lett with porthole image of seabed in col; spine title. 22.4 x 16.1 cm(8 7/8 x 6 3/8 in). Cut. ISBN 2-9042-61-00-1. JSL.

Cont: blank f; tp; tab cont; pref; introd; 15 chs; "future of the pearl;" gloss; publ & print data; blank p.

Comprehensive work on pearls in four parts, the first treating the most important fisheries of the world, with maps, and with sketches of typical pearling vessels, pearling activities, and scenes. This part also discusses European commerce in pearls and famous pearls. The second part is on the nacreous mollusks and their pearls, the formation of the latter, and types of pearls. The third part is on the cultured pearl and provides the most detail of all parts. The last part is on the pearl industry, identification of pearls, creation of necklaces, and estimating values. The drawings and maps were made specially for this work and impart considerable charm to the text as well as visual information. Inexplicably there are no references. The author is a member of a family of pearl dealers and visited and worked in pearl fisheries of northern Australian waters; he now directs the family business in Paris.

6472.-----1985, London Rev M O'Donoghue, *J Gemm*, 20, 2, 1986, 131, 247 p, ill, £ 14.95. Not favorable; deplores lack of references.

6473. -----1985, Radnor, PA

Pearls | Their Origin, Treatment | and Identification | Jean Taburiaux | Translated by David Ceriog-Hughes | illustrations by Jean-Paul Ehrmann | Chilton Book Company, | Radnor. PA. [1985]

16°: 247, [1 blank]p; same ill but also includes 14 col photos on 4 glossy f bound-in. Pale blue cloth-type paper over bds, gilt spine title. Col dj, col photo on front; flap resume & vita. 23.1 x 15.3 cm (9 1/8 x 6 in). Cut. $24.95. ISBN 0-8019-7713-4. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref; introd; 15 chs; append; gloss; index; blank p.

Adds color photos and a classified index.

6474. TACCONI, ROSITA & ROSIGNOLI, MARIA PIA

Rosita Tacconi | Maria Pia Risignoli | Gioielli E | Pietre Preziose | Mondadori [np: Arnoldo Mondadori Editore, 1968]

Title spread over 2 p and interspersed with many small rect col photos.

4°: 296, [8]p; 95 col ill(mostly photos); 3 col diagrs; 2 b&w ill. Green & red plasticized paper over bds, col necklace on cover with black title; white spine title. 24.1 x 16.8 cm(9 1/2 x 6 5/8 in). Cut. JSL.

Cont: 1/2tp; tp(2 p); publ data; introd; text; blank p; another blank p except for a small col photo; biblio(17 entries); index; print data.

Popular, well-illustrated work on gems and jewels, but also including short sections on "precious objects for the home," that is, boxes, clocks, ewers, silverware, and small carvings, also use of coins and cameos in jewelry. The text opens with descriptions of gemstones, p 9-116, and includes pearl, coral, ivory, other organic materials, and imitation & synthetic gemstones. The mineral gemstone discussions are accompanied by many color photographs of rough & cut specimens.

TAEYAERTS, J, see INDUSTRIAL DIAMOND ASSOC AMER 1970

6475. TAGORE, SOURINDRO MOHUN, Raja, Sir(1840-1914); given as ṢAURĪNDRAMOHANA ṬHĀKURA in USGS Kunz Coll GS 34-427.

B into eminent & politically important Indian family; at 16 studied music(English & Bengali); in 1871 established the Bengal Music School and in 1881 founded the Bengal Academy of Music; Dr of Music Oxford U 1896; PhD's from Univ Philadelphia & Utrecht; knighted with numerous other honors. C E Buckland *Dict Indian Biogr.*

Maṇi-Málá, | A Treatise on Gems, | Sourindro Mohun Tagore, Mus.Doc., | Knight Commander Of The Order Of Leopold Of Belgium; |...[32 addit lines of honors & mbrships]...| [wavy rule] | Part I. | [wavy rule] | Calcutta: | Printed By I.C.Bose & Co., Stanhope Press, 249, Bow-Bazar Street, | And Published By The Author. | [rule] | 1879. | [All rights reserved.]

Title for Part II.

Maṇi-Málá, |...| By | Raja Sourindro Mohun Tagore, Mus.Doc., | F.R.S.L., M.R.A.S., | Companion of the Order of the Indian Empire; |...[34 addit lines of honors & mbrships, not all the same]...|...| Part II. |...| Calcutta: | ...| 1881. |...

Both titles in wavy-rule frames with corner ornaments.

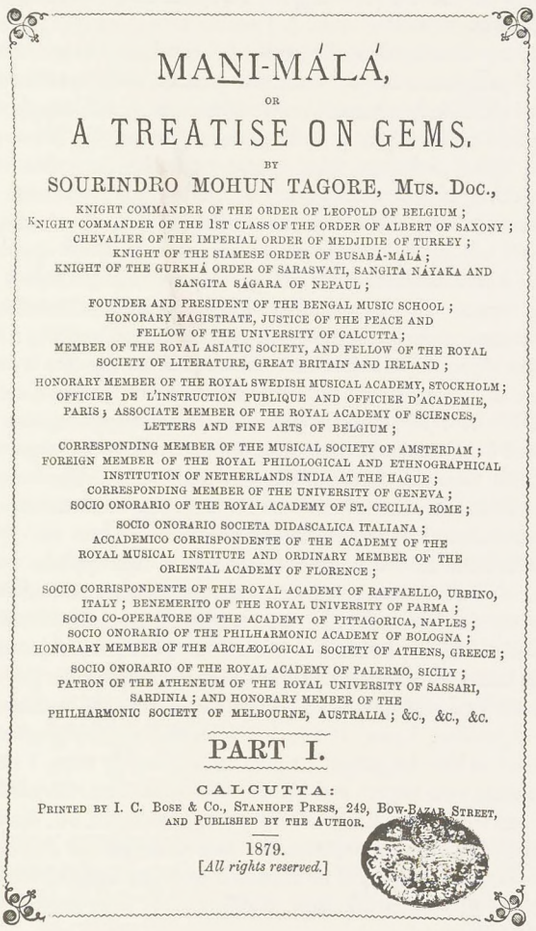
Part I: 4°: [24], iv, [2], 506p. Front litho pl of author, tissue, tip-in; litho 1/2tp with necklace of cut gems; woodcut Indian deity on text tp; wood engravs of various musical instruments as tailpcs. Variously bound, and I cannot identify any "standard" binding. 23 x 14.8 cm(9 x 5 7/8 in). Cut. All text enclosed in ruled frames, like titles. GS 34-427, Kunz Coll.

Cont: front; 1/2tp; [2]tp in native Indian languages; Engl tp; native lang tp; [2] native lang prefs; Engl pref; native lang pref; dedic; [2] tab cont in native language; Engl tab cont; native lang tab cont; text tp; text in Engl, in part paralleled by native language texts.

Part II; [18], xiv, iip + p 507-1046; 49 litho ill on 10 bound-in pls at end; similar musical instrument tailpcs.

Cont: [2] native lang tps; Engl tp; native lang tp; [2] native lang tab cont; Engl tab cont; native lang tab cont; ill list in Engl; text tp; text; appends(commencing p 811); pls.

On all counts one of the most remarkable and important works on gems ever published, particularly so because its Indian author stresses the knowledge of gems and their cultural significance in the Indian lands. For information on Indian gems, one must ultimately seek out and consult this splendid work. It is the product of many years research in locating and extracting the ancient literature of India and placing it before the reader in a manner that allows either cursory examination of the contents as translated into English, or for the scholar, the opportunity to compare directly this translation to the originals in native languages which are conveniently placed in parallel. Dr Richard Garbe, who relied heavily on this work for the material he used in decipherment of an ancient Sanskrit medical encyclopedia, *Die*



MANI-MÁLÁ,

OR

A TREATISE ON GEMS.

BY

SOURINDRO MOHUN TAGORE, Mus. Doc.,

KNIGHT COMMANDER OF THE ORDER OF LEOPOLD OF BELGIUM ;
KNIGHT COMMANDER OF THE 1ST CLASS OF THE ORDER OF ALBERT OF SAXONY ;
CHEVALIER OF THE IMPERIAL ORDER OF MEDJIDIE OF TURKEY ;
KNIGHT OF THE SIAMESE ORDER OF BUSABÁ-MÁLÁ ;
KNIGHT OF THE GURKHÁ ORDER OF SARASWATI, SANGITA NÁYAKA AND SANGITA SÁGARA OF NEPAUL ;

FOUNDER AND PRESIDENT OF THE BENGAL MUSIC SCHOOL ;
HONORARY MAGISTRATE, JUSTICE OF THE PEACE AND FELLOW OF THE UNIVERSITY OF CALCUTTA ;
MEMBER OF THE ROYAL ASIATIC SOCIETY, AND FELLOW OF THE ROYAL SOCIETY OF LITERATURE, GREAT BRITAIN AND IRELAND ;

HONORARY MEMBER OF THE ROYAL SWEDISH MUSICAL ACADEMY, STOCKHOLM ;
OFFICIER DE L'INSTRUCTION PUBLIQUE AND OFFICIER D'ACADEMIE, PARIS ; ASSOCIATE MEMBER OF THE ROYAL ACADEMY OF SCIENCES, LETTERS AND FINE ARTS OF BELGIUM ;

CORRESPONDING MEMBER OF THE MUSICAL SOCIETY OF AMSTERDAM ;
FOREIGN MEMBER OF THE ROYAL PHILOLOGICAL AND ETHNOGRAPHICAL INSTITUTION OF NETHERLANDS INDIA AT THE HAGUE ;
CORRESPONDING MEMBER OF THE UNIVERSITY OF GENEVA ;
SOCIO ONORARIO OF THE ROYAL ACADEMY OF ST. CECILIA, ROME ;

SOCIO ONORARIO SOCIETA DIDASCALICA ITALIANA ;
ACCADEMICO CORRISPONDENTE OF THE ACADEMY OF THE ROYAL MUSICAL INSTITUTE AND ORDINARY MEMBER OF THE ORIENTAL ACADEMY OF FLORENCE ;

SOCIO CORRISPONDENTE OF THE ROYAL ACADEMY OF RAFFAELLO, URBINO, ITALY ; BENEMERITO OF THE ROYAL UNIVERSITY OF PARMA ;
SOCIO CO-OPERATORE OF THE ACADEMY OF PITTAGORICA, NAPLES ;
SOCIO ONORARIO OF THE PHILHARMONIC ACADEMY OF BOLOGNA ;
HONORARY MEMBER OF THE ARCHÆOLOGICAL SOCIETY OF ATHENS, GREECE ;

SOCIO ONORARIO OF THE ROYAL ACADEMY OF PALERMO, SICILY ;
PATRON OF THE ATHENEUM OF THE ROYAL UNIVERSITY OF SASSARI, SARDINIA ; AND HONORARY MEMBER OF THE PHILHARMONIC SOCIETY OF MELBOURNE, AUSTRALIA ; &c., &c., &c.

PART I.

CALCUTTA:
PRINTED BY I. C. BOSE & CO., STANHOPE PRESS, 249, BOW-BAZAR STREET, AND PUBLISHED BY THE AUTHOR.

1879.

[*All rights reserved.*]

6475. Titlepage to Tagore's "Mani-Mala" which remains a fundamental source of information on the cultural aspects of gemstones in India

indischen Mineralien, 1882, which see, acknowledges(p IX) the great value of Tagore's book but states that the latter was not as precise as he could have been in his translations nor as familiar with existing technical works on gemology as he should have been.

In general, the major portion presents extracts from the *Puránas* and other classies of Indian literature in which gemstones are treated or mentioned. The story of the "Syamantaka," a magical jewel of the Hindu pantheon, begins the text of Part I. Next follow general remarks on gemstones and a translation of a work on diamond in which is embodied much curious lore, and supplemented with considerable information on diamond from Western sources. Similar treatments are accorded to other gemstones. ln Part II minor gemstones are discussed, among them, aquamarine, tourmaline, jade, and others. However, the major text of Part II is an amazing potpourri of information, derived from both Oriental and Western sources, which includes sections on gemstone genesis according to ancient Sanskrit sources, and many remarks on curious lore, The appendices are equally wide-ranging in subject matter, taking up properties of gemstones, mosaic work, enamels, pastes, sale prices of gems, the State Crown of England, wedding rings, diamonds and their imitations, the Imperial State Crown of France, a list of gems in the French regalia, the Peacock Throne of Shah Jehan, the decoration of the Taj Mahal, views of Arabic and Persian writers on gemstones and minerals, also views of same by modern Hindustani jewelers, terms used by the Jaharees in valuing gems and jewels, analyses of gemstones, table of weights and the cutting styles of the largest diamonds and precious stones, a table of the names of stones in various languages, and a bibliography of gemological works, 988-1015, apparently copied verbatim from that in Emanuel's *Diamonds and Precious Stones*, 1865, which see, Rajah Mullick's collection of rough stones, Nostradamus' "The Ring of Strength," synonyms for precious stones in several languages besides English, occult powers of gemstones, and another bibliography, of works consulted, 1034-7, 129 entries.

As may be expected from its private publication, only an occasional set of volumes ever appears in the antiquarian book market, and it is now one of the rarest of all gemological treatises. From copies examined, it appears that the work was issued in printed wrappers, and for this reason, many unbound copies were lost. The position of the portrait plate of the author in Vol I is particularly vulnerable to careless handling and destruction with the result that copies are sometimes offered sans this plate.

TAILLE DE BONDAROY, JEAN or IEHAN DE LA(1542(?)-1608)

Fr playwright of noble birth; orig stud jurisprudence but turned to poetry & writing; a number of his works, including below, in *Biogr Univ*, 44, 400-1.

6476. -----1574

La | Geomance Abre- | Gee De Iean De La | Taille De Bondaroy, | Gentil-Homme de Beauce. | Pour scavoir les Choses passees, presentes | & futures. | Ensemble le Blason des Pierres Precieu- | ses, Contenant leurs vertus & | proprietez. | A Paris, | Pour Lucas Breyer, tenant sa boutique, au | second pilier de la grand' salle | du Palais. | [rule] | 1574. | Avec Privilege | Dv Roy.

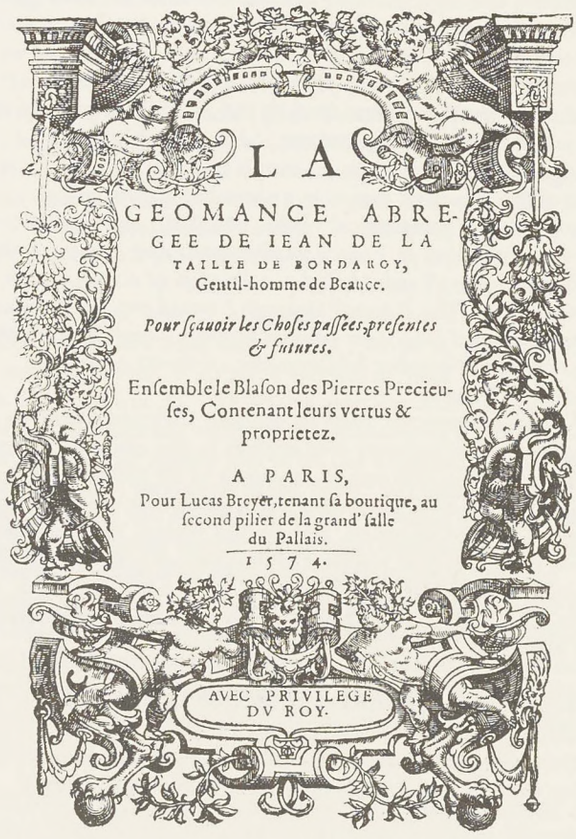
Title enclosed in elaborate woodcut frame of cupids, foliage, fruits, scrolls, and columns, with the last two lines of title in an elliptical opening at base of frame; frame size 17.3 x 11.8 cm(6 7/8 x 4 5/8 in).

Two works in one; the second, the "Blason" with own titlep:

Le | Blason Des Pier- | Res Precievses Con- | Tenant Levrs Ver- | tuz & proprietez. | Par Iehan [sic] de la Taille de Bondaroy, | A Tres-illustre Dame, Marie de Cleues, | Princesse de Conde. | A Paris, | Pour Lucas Breyer, tenant sa boutique, au | second pilier de la grand'salle | du Pallais [sic]. | [rule] | 1574. | Avec Privilege | Dv Roy. [same title frame]

First Work: 4°: [4], 50, [2]f; f 9-12, 14, 16, 19 & 33 misnumb; $*^4$ A-N^4; elliptical woodcut portr of author on reverse of tp and facing an elliptical woodcut of a crowned lion, rampant, with frame. The portr frame is lettered "Ian De La Taille De Bondaroy. Gentilhomme De Beav. 1573"; the "lion" frame, possibly a coat-of-arms, is lett "In Vtrvnqve Pa Rat Vs." Numerous astrological diagrs & tabs; woodcut headpcs, inits. 20.8 x 15.8 cm(8 1/8 x 6 1/4 in). Cropped. DeGolyer Coll, Okla U; JSL.

Cont: tp; woodcut portr; woodcut arms; sonnet; epistle; priv & date of printing; text; "table of queries"(index) with "fin" & errata; blank p.



6476. An extremely rare early work, two parts in one, the second on the values, virtues, and magical properties of gemstones

Second Work: 4°: 18, [2] f; A-E⁴; same woodcut portr of author on verso last text f & facing same arms; headpcs, orn inits.

Cont: tp; priv; text; poems(last p bears the portr); arms; blank p.

In this very rare work, by the "gentleman" of Beauce, France, of whom little is known, the first treatise is on geomancy or divination, while the second treatise deals with gemstones, The first appears to have escaped the notice of Lynn Thorndike, *History of Magic*, despite the fact that it would have fitted well among like works which he treated. The second treatise is mentioned by P F Arpe, *Talismanes et Amuleta*, 1717, 125, in his chapter dealing with works on his subject, while G F Kunz, *Curious Lore*, 1913, 5, notes that the poem at the end was "addressed to Marguerite de Valois, - "La Marguerite des Marguerites," as she was called, - by Jean de la Taille de Bondaroy," which statement seems a Kunz invention inasmuch as there is no such appelation in the poem in question, whose title reads "Le Blason De La Margverite Et Des Avtres Pierres Precievses. A treillustre Princesse, Marguerite de France, Royne de Nauarre," although this appelation may have been obtained elsewhere than in the poem. Margaret or Marguerite of Navarre (1492-1549) was active in politics and inclined to mysticism, which may account for the dedication to that distinguished queen. She was also a writer of some note, her most distinguished work, 148 appropos to the above, being *Les Marguerites de la Marguerite des Princesses*, 1547.

The text is essentially a recital of the values, virtues, and magical properties of gemstones in general, with specific descriptions of diamond, emerald, ruby, carbuncle, pearl, sapphire, chrysolite("called topaz"), opal(given as "panture"), zircon, turquoise, agate, amethyst, bloodstone, rock crystal, chalcedony, jasper, coral, magnetite(3 varieties), amber, and selenite(moonstone?), The data are suitably vague, some sources of materials are given, but mostly the comments dwell upon the curious lore associated with the gemstones. The text ends by noting writers who presumably were consulted in amassing the information, namely, Pliny, Ficin, Leonardus Camillus, Albertus Magnus, Agrippa, Cardan, and others. Following this treatise appears the poem dedicated to Marguerite of Navarre, extending over f 12v to f 15r, and which extols the virtues of gems. This is followed by a poem on the "magnet" or lodestone(magnetite), translated from the Latin of Claudius, a poet of Alexandria, a sonnet addressed simply to "vne Damoyselle," and a series of epigrams, closed by "Fin" and the portrait.

While little new is to be found therein, this appears to be the first gemological treatise of importance to be published in France in the vernacular. To be sure it was preceded by Rueus' *De gemmis aliquot*, published in Paris in 1547, but this treatise was in Latin. It was not until De Boodt's treatise on gems, originally in Latin, was translated into French by Bachou, *Le parfaict joaillier*, Lyon, 1644, that a second gemological work appeared in this language. Copies are extremely rare; I can recall only seeing two copies put up for sale in the last 40 years. A copy was offered in Emil Offenbacher Catalogue 36, Spring 1934, no 98, in which the author was described as a "Renaissance poet" and "disciple of Ronsard and Du Bellay." Wellcome Cat I, 3678; Brunet III, 869; Caillet 6174, "fort rare;" Cioranescu 12702.

TAIT, H, see HEINIGER, E A & J

6477. TALAVERA, F & FAUSTINO, L A Industrial shells of the Philippines. *Phil J Sci*, Manila, 1931, 45, 3, p 321-50. Not seen.

6478. TALBOT, FREDERICK ARTHUR AMBROSE(1880-)

All about Treasures | of the Earth | By | Frederick A.Talbot | With a Coloured Plate and numerous | Black-and-White Illustrations | Cassell And Company, Limited | London, New York, Toronto and Melbourne [ca 1919]

8°: viii, 365, [1], [2 blank]p; tip-in glossy col pl front; 45 photos on 32 glossy f tip-in; text fig. Purplish-blue cloth, dk blue lett & blue, yellow & dk blue crucible on cover; gold lett & remainder of cover ill on spine; back cover plain. 20.2 x 14.6 cm(8 x 5 3/4 in), Cut. Te stained blue.

Cont: 1/2tp; other bks of author; front; tp; tab cont; pls list; 21 chs; blank f. JSL.

Light reading about mineral resources and their exploitations. Ch 12, 227-41, on amber, fossil resins, and jet; Ch 17, 290-311, on diamonds and diamond mining, with illustrations; Ch 18, brief mention of meerschaum; Ch 19, 322-7, describes other important gemstones and their recovery.

6479. Not used.

6480. TALENT, JOHN A

Minerals, Rocks | And Gems | A Handbook for Australia | John A.Talent | Illustrated by colour photographs of specimens | in the National Museum of Victoria, Melbourne | The Jacaranda Press [46 Douglas St, Milton, Queensland, 1970]

8°: xii, 287, [1 blank]p; front col gloss pl tip-in + 173 photos(2 in b&w) on 19 glossy tip-in or bound-in f; 104 fig; 9 ch title sketches. Dk gray cloth-type paper over bds, gold lett spine; green endp. Col dj, black with col photo on front; back cover col photo & resume; resume & vitas on flaps. 22.8 x 15 cm(9 x 5 7/8 in). Cut. Aus $10.50. Nat Libr Australia AUS 68-8; ISBN 7016 0012 8. JSL.

Cont: 1/2tp; front; tp; publ data & dedic; tab cont; photo list; pref; 9 chs; gloss; 5 appends; biblio(p 267-80, 46 entries); locality index; subj index; blank p.

The title is somewhat misleading inasmuch as this book is really a beginner's mineralogy textbook with chapters on economic geology, prospecting, and gemology & lapidary. In Ch 6, 137-93, minerals & gemstones are described alphabetically with property data and selected Australian localities. The mineralized provinces of Australia are treated briefly in Ch 8. The last chapter contains a very brief treatise on lapidary work in addition to some information on distinguishing synthetics & imitations, pearls, ivory, and a table of gemstone properties. The author earned MSc & PhD degrees from Melbourne U and was formerly in the Dept Mines and on faculty of Macquarie U. Rev *Austral Gemm*, 10, 12, 1970, 17-8.

TAMĪMĪ, Al-, see SCHÖNFELD, J

6481. TAN, LI-PING, et al A mineralogical study of the Fengtien nephrite deposits of Hualien, Taiwan. *Republ China, Nat Sci Council Spec Publ* 1, 1978, 81 p, 22 tab, 56 ref. Not seen.

6482. T'ANG JUNG-TSO, styled HSI-WU

Yü-Shuo | A Discourse On Jade | With Researches on the | History of Jade .. By .. T'ang Jung-Tso | styled | Hsi-Wu | Citizen of Peking | Graduate and Scholar of the Chinese Empire | Translated by Stephen W. Bushell [1900]

In: BISHOP, R H, *The Bishop Collection, Investigations and Studies in Jade*, New York, 1900, which see, p 321-370. Cont: tp; tab cont; title of another jade work; text; append(biblio, p 367-70, containing titles to 71 books quoted in text). Bushell's translation is preceded by his own remarks which actually begin on p 285 and note that T'ang's work "is remarkable not only for its research into the vast store of native literature, but also for the knowledge it shows of ancient and modern work in jade, It has been written to illustrate the importance and *recherché* collection of Mr. Heber R.Bishop, who requested "a condensed article on jade by a native Chinese scholar, treating upon its uses in China from the earliest period down to the present day." Further, "the author has... divided his article into nine sections, entitled I. Sources of Jade, II. Crude Jade, III, Value of Jade, IV. Objects made of Jade, V. Jade used by the Son of Heaven, VI. Jade used by the State, VII. Colors of Jade, VIII. Ancient Jade, and IX. Fei-ts'ui. It concludes with an Appendix, containing the titles of 71 books quoted in the article, which range through at least three thousand years, and belong to every class of literature, from official annals to the relations of Taoist legend. I have given the names of most of the writers of these books, and their approximate dates. The *Discourse* itself I have translated as literally as possible, so as to try to convey the spirit of the original." Concerning this article, Laufer, *Jade*, 1912, 7, states that it "is composed of a conglomeration of literary quotations from ancient texts which are rather inexactly and sometimes incompletely cited. Dr. Bushell did not verify them from the originals."

6483. TANK, RAJ ROOP Ratna prakesh. Jaipur, 1961. In Hindi. Not seen.

6484.-----1971, Engl version by author

Indian Gemmology | By: | Raj Roop Tank | Jeweller | [double rule] | All Rights Reserved | [double rule] | Price: Rs. 15/- | [at left, in column:] Printed at: | Friends Printers & Stationers, | Jaipur. | [vertical ctr rule, & at right in column:] Published By: | Dulichand Tank | Jaipur. [1971]

4°: [2], [1], [1 blank], xvii, 171, [1 blank]p; end f printed on glossy paper in blue ink(Dedic) and tip-in; 1 glossy col pl tip-in + 7 others in monochrome also tip-in. Bright red cloth, gold cover title. Pale green endp. Colorless plastic dj. 17.4 x 11.9 cm(6 7/8 x 4 3/4 in). Cut. JSL.

Cont: tp; invocation; dedic; tab cont; pref; introd; col pl; text; blank p.

Gemstones as viewed by an Indian author steeped in the traditional lore of India, much of which remains as seriously regarded as ever. As the review of this work in *Gems & Gemology*, 14, 2, 1972, p 61-3, states, it is "a unique combination of Indian culture and gemology." The introduction is lengthy, interesting, and valuable for its insights into Indian gem lore, and discusses the traditions of such lore in India and the sources of such that may be traced to ancient writings as well as to some of modern vintage. Such works are cited by Tank, along with the names of their authors. Also included are discussions on the grave importance of imperfections in gems, the distinctions between synthetics and natural stones, and the classification of the traditional Indian gemstones, numbering altogether 84. At the heart of the book are the nine traditional gems depicted on the color plate preceding the text: emerald, diamond, pearl, coral, zircon, blue sapphire, sapphire, ruby and cat's-eye. The text describes them by providing both traditional information and modern scientific knowledge, but strongly emphasizes those features that any gem must possess to make it qualify as truly protective or influential. In addition, Tank dwells upon varieties and their relative merits in view of the foregoing, with sources of such gems given and recommendations made as to when and where they should be worn as guardians. In case of the pearl, for example, shape is crucial, and no less than 20 shapes are depicted on a plate with their Indian names. With all gems appear synonyms in various Indian languages. Other gemstones are also treated, as garnet, feldspar, quartz, opal, topaz, tourmaline, beryl, etc. The text ends with brief statements on lapidary treatments and the birthstones. The monochrome plates depict cutting styles for the most part and a plate on inclusions. Unfortunately, and rather typically of modern bookbinding in India, the book is very poorly bound, the back is unrounded, and the inner hinges break as soon as opened. Rev *J Gemm*, 13, 6, 1973, 239, noting that the book is not a scientific treatise.

6485. TANKOV, A D Primechaniya k sochinenyu gr. G.K.Razumovskogo o dragotsennykh kamnyakh, s pokazaniem

mestonakhozhdeniya ikh v raznykh stranakh zemnogo shara i v osobennosti v Rossii, *Trudy Min Obshchestva*, St Peterb, 2, 1842, p 355-94. Not seen.

6486. TANNER, HANS, edit

The Complete Guide To | Rocks, Gems & Minerals [title in blue on a black leaf, col photo beneath]

P[2]: "Edited by Hans Tanner...1970 by Peterson Publishing Company... Los Angeles, Calif. 90069."

Centerstapled: 88, [8]p; 223 col photos, 110 b&w photos, 10 sketch maps. Col wrap, photo of tourmaline group & title in blue & green on cover. 27.8 x 21.1 cm(10 7/8 x 8 3/8 in). Cut. $2.00. LC 74-118980 [sic]. JSL.

Light reading, aimed more at inspiration than instruction. Aside from an article on Iran's crown jewels by V B Meen, 56-63, there is no text that could justify the use of the word "gem" nor the word "complete" in the title.

6487. -----1977, minor changes, new publisher

The Complete Guide To | Rocks, Gems & Minerals | [col photo] | Castle Books | A Division of | Book Sales, Inc. | 110 Enterprise Avenue | Secaucus, N.J. 07094 [1977; title in blue & whlte on black f]

P [2]: "Published under arrangement with Ottenheimer Publishers, Inc."

Edgefastened: 88, [8]p; most orig ill retained(see below), Black paper over bds, col photos & white title on front; white spine title. Col dj, like cover, with resume. 27.5 x 20.8 cm(10 3/4 x 8 1/8 in). Cut. JSL.

Color illustrations formerly inside wraps now moved to p [3-4], and the "moon rocks" section on these pages omitted; biblio p 30-1, much shortened.

6488. TANNER, P DE

Chinese Jade | Ancient And Modern | Descriptive Catalogue, Illustrating The Most Prominent Pieces Of A | Collection Of Jade Articles, With Special Reference To Sepulchral Jades | Compiled By | P.De Tanner | Late Commissioner, Chinese Maritime Customs Service. | [logo] | In Two volumes * Volume I[-II] | [double rule]] Dietrich Reimer/Ernst Vohsen/Berlin 1925

Volume II uniform, same date.

Vol I: 35 p + pl section of 64 photo pls printed rectos only, each pl preceded by a leaf of explanatory matter printed verso only; the first leaf bears pls section title on recto, making a total of 128 leaves + [10] f, the last f blank. Front photo pls tip-in. Oblong format. Pale green unfin cloth, red title on cover & spine; dull mottled red endp. 23.3 x 32.1 cm (9 1/8 x 12 5/8 in). Cut. JSL.

Vol II: 22 p + pls sect of 53 photo pls interleaved with text as above for a total of 106 leaves + [4]f + fold col pls sect of 7 pls interleaved with [7] leaves of text + [4]f, the last f blank.

Cont: Vol I: 1/2tp; front; tp; tab cont; pref; introd; general remarks; descriptions; pls index; pls sect tp; pls; Chinese inscriptions; publ data; blank f. Vol II: 1/2tp; front; tp; tab cont; descriptions; pls sect tp; pls index; pls; Chinese inscriptions; col pls sect tp; pls; index to all pls; publ data; blank f.

One of the outstanding jade books but not well known due to its rarity. Its text is meager and its principal value lies in the enormous variety of objects of which there are approximately 2,000 portrayed upon the plates. As an encyclopedia of forms that imaginative Chinese lapidaries created from jade this book is worth whatever is asked for it. However, in addition to jades, there are also depicted objects carved from quartzes and other hardstones. The impression gained from examining the plates is that the author collected everything without much discrimination because a great many pieces are crudely carved, some being little more than slabs of material incised without any serious attempt to produce fully-shaped forms, while others display poor finishes, unremoved pits, and other marks of careless work. Among the bewildering variety of forms are plaques, pierced plaques, disks, pendants, fingering pieces, tablets, mythological creatures, axes, swords, knives, bells, urns, vases, boxes, bowls, musical instruments, coins, girdle & belt hooks, figurines, beasts, birds, and even snuff bottles. The color plates, printed in muted hues appropriate to jades, depict about 150 carvings selected to show the variety of color possible in jades.

Insofar as the text is concerned, the first volume provides brief remarks on the collection, its arrangement, classification of the carvings, discussion of jades placed on the corpse prior to burial, inscriptions, colors of jades, and a table of color classification adopted by the Chinese. The second volume describes jade pieces upon the frontispiece plate, as does the first, and gives a list of inscriptions and their translations. The collection was assembled by De Tanner in China from 1913 to 1919. Summ by G M Born, 319-20.

6489. TARDY, HENRI LENGELLÉ

Les Pierres Précieuses | Les perles | L'écaille | L'ivoire | et la répression des Fraudes | (106 illustrations) | documentations | réunies | par | Tardy | Annuaire | D'Horlogerie - Bijouterie | 18, rue des Volontaires | Paris XV^{e} [1945]

8°: [2 blank], 252, [2 blank]p; 106 fig. Pale straw-yellow paper wrap; title in red on cover only. 16.3 x 12.5 cm(6 3/8 x 5 in). Uncut. All paper badly browned, embrittled. JSL.

Cont: blank f; tp; other bks of publ; text; tab cont; blank f.

A handy book of general information on gemstones, pearls, tortoise-shell, and ivory, with other germane data and meant to be used by members of the jewelry trades and gemologists. Topics: French law & regulations applicable to jewelry and the gem trade, properties of gemstones, identification methods, cutting styles, descriptions of gemstones and other materials taken up in alphabetical order by species & varieties(ca 150). The information is accurate. The paper is of such poor quality that very few copies survive.

6490. -----1951, 2nd edit

Les Pierres | Précieuses | Les Perles] L'écaille, L'ivoire | et la répression des Fraudes | Par Tardy | 2° édition | Chez l'Auteur à Paris [foregoing line underlined] | 104, rue du Temple | Arc. 49-51 [1951]

8°: 324 p; 196 fig, Pale straw-yellow wrap, title in red on cover with red square dot; title in black, with rules, on spine; back cover advert. 17.8 x 11.7 cm(7 x 4 5/8 in). Uncut. Vastly better quality paper. JSL.

Cont: 1/2tp; tp; text; tab cont.

Revised, rearranged, enlarged and much superior in almost all respects. A greatly expanded discussion of properties and identification methods now begins the text, and for many years formed the best reference available in France. A "Deuxième Partie," with own titlepage, contains the descriptive matter. As in the previous edition, gem name synonyms are provided in

German, English, Spanish, Italian, and Portuguese. The remainder of the text takes up legal matters.

6491. -----1960, 3rd edit

Les Pierres |...| 3° edition | 389 illustrations | 104, rue du Temple | Arc. 49-51.

In later printings, or perhaps simultaneously, this address is obscured by a paste-on label reading: "Tardy | 21, Rue des Boulangers | Paris - 5^{e} | Danton 17-02" [1960]

8°: 422, [1], [1 blank]p; 389 fig. Red, unfin cloth, title in gold on a thick purple paper label. Pale grayish-yellow mottled endp. White dj, quartz crystal group on cover; back cover other bks of publ. 16.9 x 11.9 cm(6 3/8 x 4 3/4 in). Cut. JSL.

Cont: 1/2tp; tp; text; tab contents; press statement; blank p.

Contents now formally arranged and labeled in three parts but again with signlficant revisions and additions. Additional gemstones and varieties included.

6492.-----1965, 4th edit

Les Pierres Précieuses | Les Pierres Dures | Les Perles | L'Ambre - L'Écaille - L'Ivoire | et la répression des fraudes | par Tardy | 4^{e} édition | Tardy | 21, rue des Boulangers | Paris 5^{e} | Tel.326-17-02 [1965]

8°: 675, [1]p; front ill & another on reverse of title, neither counted in total of ill; 693 fig. Stiff, pale yellowish wrap, title on cover & spine. White, glossy dj, inward-fold flaps, bearing col photo of jadeite Kwan Yin on cover with black lett, spine title, other publ bks back cover. The dj flaps indented to allow small tags of same to tuck behind the wraps. 21.5 x 13.4 cm(8 1/2 x 5 1/4 in). Cut. Glossy paper throughout. JSL.

Cont: 1/2tp; photo; tp; photo; text; tab cont; print data.

Greatly expanded, brought up to date, with wholesale replacement of former figures, primarily photos, and addition of new illustrations. The same text arrangement maintained but the gemological portion is again enlarged as is the text describing gemstones. Synonyms now include Dutch terms. The number of species & varieties is very greatly increased and is now one the best features of the work.

6493. -----1980, 5th edit, with LEVEL, DINA Les pierres précieuses. Paris, 1980, 504 p, 34 col pls. Fr 300.- Not seen, the following from M O'Donoghue rev in *J Gemm*, 17, 7, 1981, 499. "The bulk of this book consists of an alphabetical listing of stones, prefaced by introductory chapters on gem testing. Much if not all of the section remains unchanged from the 4th edition... some additions have been made to the alphabetical section... a large amount of each descriptive section is devoted to a listing of discredited names which are thereby given an extension of life - this is scarcely a scholarly way of producing a book and indeed a great deal of the matter is inaccurate or carelessly researched. This is a pity for the book is well-produced and the coloured pictures, though largely taken from H.-J.Schubnel's *Pierres précieuses dans le monde*, are none the worse for a second airing. The whole text needs revision by someone familiar with present-day gemmology."

TARNÓCZY, Madame GUSTAVE DE see SZENDREI, JEAN

6494. TARR, W A The origin of chert and flint. *Univ Missouri Studies*, Columbia, 1, 2, 1926, vi, 54 p; pl 1-10. Not seen. LC 27-23591.

6495. TASMANIA DEPARTMENT OF MINES

[State seal, below "1977" and to right:] Tasmania Department Of Mines | Occurrences of | gemstone minerals | in Tasmania | Fourth Edition | T.J. Hughes, Government Printer, Hobart, Tasmania ISBN 0 7246 0475 8

Centerstapled: 16 p; centerfold doublep index map of localities. 24.9 x 17.7 cm(9 7/8 x 7 in). Cut. Title on front wrap and both wrap covers includ in pag.

Alphabetically lists & describes species & varieties, with property data, notes on localities: amber, apatite, axinite, azurite, beryl, cassiterite, quartz varieties, chrysoberyl, corundum, diamond, epidote, fluorite, garnet, malachite, olivine, opal(common & opalized wood), pyrite, rhodochrosite, rutile, serpentine, sphene, spinel, staurolite, stichtite, topaz, tourmaline, turquoise, wollastonite, and zircon, There follows a list of the localities keyed to the centerfold map.

TASSIE, JAMES(1735-1799)

Brit maker of engrav gem impressions; biogr: GRAY, JOHN M, *James and William Tassie. A biographical and critical sketch with a catalogue of their portrait medallions of modern personages*, Edinburgh, 1894, xii, 174 p, 18 ill.

6496. -----1775

A | Catalogue | Of | Impressions in Sulphur, | Of | Antique and Modern Gems | From which | Pastes are Made and Sold, | By | J.Tassie Compton Street, 2nd door from Greek Street Soho. | [oval engrav gem in frame] | London. | Printed for J.Murray N°.32 Fleet Street, 1775 | Price 1^{S} 6^{D} [entire title engrav, orn with numerous scrolls]

8°: vii, [1] blank], 99, [1 blank]p. 20.3 x 12.7 cm(8 x 5 in). Cropped. LC 12-11901.

Cont: engrav tp; prelims; cat 1/2tp(out of place?); cat; append; index; blank p. LC copy examined; it is in a modern binding and according to the first sig, a leaf is lacking but this may be the cat 1/2tp shown above.

Lists a total of 2856 available impressions, plus nos 2857-2893 of unknown portraits, nos 2894-2928 of unknown figures, nos 2929-3095 of unknown heads, and nos 3096-3106 of devices. The lists give the Tassie number, subject, a brief description but only for some, and the gemstone or material of the original. Subjects: Egyptian deities, other deities, rites, famous persons, royalty, historical episodes, masks, etc. Rare. See also RASPE, R E, and "The art of the Tassies," *The Gemm*, 30, 355, 1961, 36-7.

6497. TASSIE, WILLIAM(1777-1860) A catalogue of that part of Mr.William Tassie's extensive collection of impressions from engraved gems, consisting of devices and emblems, with mottos in various languages made in composition for seals, at 20, Leicester Square; where facsimiles, impressions in plaster, &c. may be obtained... also casts from... Greek and Roman coins... London: 1830, 2 f, 151 p, cloth(spine label). First edit. Not seen. William T was nephew of James T; succeeded to his business; biogr details on both Tassies in Forrer, *Biogr Dict Medallists*, 6, 22-34. From a bookseller's cat 3/73.

TASSIN, WIRT DE VIVIER(1869-1915)

USA chem, metallurgist, mineralogist; chem & asst cur mineralogy US Nat Mus 1893-1909; num papers on meteorites. Obit, L J Spencer, *Min Mag*, 17, 1916, 370.

6498. -----1902

Smithsonian Institution. | United States National Museum. | [rule] | Descriptive Catalogue Of The Collec- | Tions Of Gems In The United | States National Museum. | By | Wirt Tassin, | Assistant Curator, Division of Mineralogy. | [rule] | From the Report of the United States National Museum for 1900, pages 473-670, | with nine plates. | [seal] | Washington: | Government Printing Office. | 1902.

8°: [1]f(title) + p 473-670; 9 tip-in glossy photo pls; 26 fig. Pale reddish-brown print wrap, with cover title & Smithsonian torch on back cover 24.5 x 15.7 cm(9 5/8 x 6 1/4 in). Uncut. LC 14-19910 rev. JSL.

Considerably more than a mere catalog, this work in fact is a short treatise on gemology, with an important bibliography. The first section treats general properties of gemstones and is followed by a lengthy section describing individual gemstones and varieties in alphabetical order with brief notes of their properties. The third section consists of identification tables according to color and optical effects, while the fourth is a list of gem names. The next two sections treat lapidary work and manufactured gemstones. Section seven, an important one, is an extended discussion of the gems mentioned in the Bible and with the following section on curious lore provide valuable guides through the ancient literature of gems insofar as they mention or discuss these subjects. It is not until section nine that the catalog of the Isaac Lea gem collection is provided, listing the gems with their dimensions, color, weight, and provenance. The large bibliography, probably based upon or expanding that of Harry Emanuel in his *Diamonds and Precious Stones*, 1865, 1867, also suffers from fragmentary entries, lack of paginations, and simple errors in spelling and otherwise.

TAVERNIER, JEAN BAPTISTE(1605-1689)

The life of Tavernier appears in excellent detail in Valentine Ball's translation below, of 1889, vol 1, p x-xxix, from which these few details were obtained. Tavernier was b in Paris, his early youth unknown, but by age 22 he had traveled extensively throughout Europe and had acquired a fair command of the most useful languages; most of this period was spent in the military services of various royal houses. His travels in the Near & Far East took place during 1631-68, after which he was successful in selling major gems in Europe to such as Louis XIV of France. In 1669 he was awarded the title of Baron of Aubonne, assuming the baronetcy in 1670 at Aubonne, near Geneva. The first published account of travels appeared in 1675 as his *Nouvelle Relation du Serrail*, etc. Up to 1684 he is believed to have led an "active, commercial, though somewhat retired life," but in 1685 he sold his land and barony, and evidence suggests that thereafter he died in Russia, where he is known to be buried near Moscow. Pogg 2, 1071. The principal work for which he is known in the world of gems is his *Les Six Voyages*, narrating his experiences during travels from Europe into Turkey, Persia, and India. Agassiz IV, 413.

6499. -----1676

Les Six | Voyages | De Jean Baptiste | Tavernier, | Ecuyer Baron D'Aubonne, | Qu' Il A Fait | En Turquie, En Perse, | Et Aux Indes, | Pendant l'espace de quarante ans, & par toutes les | routes que l'on peut tenir: accompagnez d'obser- | vations particuliers sur la qualité, la religion, | le gouvernement, les coûtumes & le commerce | de chaque païs; avec les figures, le poids, & la | valeur des monnoyes qui y ont cours. | Premiere Partie, | Où il n'est parlé que de la Turquie & de la Perse. | [crown] | A Paris | [to left, a curved bracket with "Chez", to right another bracket with "Au | Palais," and in center, in column: | Gervais Clouzier, sur les degrez | en montant por aller à la S^te^ Chapelle, | à l'Enseigne du Voyageur. | Et | Claude Barbin, sur le second Perron | de la sainte Chapelle. | [rule] | M.D.C.LXXVI. | Avec Privilege Dv Roy. [1676]

4°: 30, [2], 698, [2], [2 blank], [8]p; a^4, e^4, i^4, o^4, A-Tttt^4, $*^4$; 7 bound-in fold engrav pls. Ca 25.3 x 18.8 cm(10 x 7 3/8 in). Woodcut headpcs.

Cont: tp; dedic; plan; tab cont; ill list; corrigenda; text in 5 bks; approbs; blank f; "Relation D'Un Lache..." Volume II

Les Six |...| Seconde Partie, | Où il est parlé des Indes, & des Isle voisines. |...| M.D.C.LXXVI. | Avec Privilege Dv Roy.

4°: 8, [1], [1 blank], 40, [2], 525, [2], [1 blank]p; $*^4$ a^4, e^4, i^4, o^4, u^4 + [1]f supplied or "Table Des Figures..." + A-Vuu^4.

Cont: tp; tab cont; moneys sect; ill list; note; 3 books; approbs; blank p.

Errors & misprints. Vol I: table of figs gives "32" for the pl which is engrav "33" and bound-in accordingly; similarly, pl for p 334 should be 335; on p 389 numerals of page no upside down; pl 504 in table of pls should be 506, and pl 693 should be 692. Vol II: p 51 misprinted as "15;" pl shown for p 204 in table is actually a text fig and appears on p 205; table of pls erroneously gives a pl for p 348 instead of p 346.

A third volume, entitled *Recüeil De Plusiers Relations...*, 1679, is commonly considered to complete the full set of Tavernier's travels, but is not described here because of its lack of gemological content.

This work is much prized by historians and geographers for its detailed accounts of the places visited by Tavernier, from 1631 to 1668, the sights seen, and his dealings with politically important persons at a time when reliable reports from the Near East and the Orient were scanty or lacking altogether. Doubt has been cast on Tavernier's accuracy, but as William Crooke states in his introduction to the 2nd edition of Valentine Ball's translation, see below, p xxxiii, "my personal impression coincides on the whole with that expressed by Dr.Ball, that his narrative, when tested by modern authorities, is much more accurate than it has often been supposed to be." Insofar as gemological information is concerned, Tavernier's observations have also withstood the test of time and are considered reliable.

Clearly the most important sections of Tavernier that interest the gemologist are his dealings in precious stones, especially those of large size and unusually high quality, and understandable in view of the fact that at some point in his career he became a successful jeweler in Paris, and his trips to the countries of Asia had the aim to buy important gemstones and sell them at a profit to crowned heads in Europe. In this he was most successful. The Turkey-Persia travels are described in five books and the Indian travels in three, with the latter by far of most interest. The pertinent accounts are in Ch 10 of Bk 2, p 248-51, concerning the jewels of the Great Mogol, Aurangzeb (1618-1707), which he ordered shown to Tavernier; Ch 15, 293-304, on the diamonds found in India, the rivers and mines that supply them, and the author's visit to the mine at Raolconda; Ch 16, 304-8, trips to other diamond mines and the manner of searching for diamonds; Ch 17, 308-12, more on the diamond mines, and 312-9, the weights used in the diamond trade and other details of the trade; Ch 19, 319-23, on colored gemstones; Ch 20, 323-8, on pearls and the places where they are fished; Ch 21, 328-33, how pearls originate in oysters and the methods used in fishing; Ch 22, 334-9, on very large diamonds, rubies, pearls, and other precious stones seen by Tavernier; Ch 23, 339-46, on coral and amber and the places where

obtained, and Ch 24, 346-53, on musk, bezoar, and other medicinal materials.

Several famous diamonds, among them the Great Mogul, Koh-I-Nur, and Florentine, all now believed to have been first described by Tavernier, are discussed in detail in V Ball's translation below. The large blue diamond, called the "Tavernier blue," brought back to Paris and sold to the royal house, is believed to be the source of the famous Hope diamond, cut from it some time after the stone was stolen from the Garde Meuble. Also among the "firsts" to be credited to Tavernier are several of the illustrations as the engraved plate facing page 334 in the Indian travels which depicts the Florentine, Great Mogul, and the "Table" diamonds. Another plate facing page 336 shows other large gems, while the famous folding plate facing page 337 depicts numerous cut diamonds, including one described as "112 3/16 quarats... beau Violet," presumably the famous blue from which the Hope diamond was cut. Two other engraved plates show very large pearls and balas rubies.

The following entries are based on copies examined by me and on the extensive bibliography in Valentine Ball's translation of 1889, vol 1, p xxxviii-xlvi, and also the 2nd edition of same, by Crooke, of 1925, "primarily this list is based upon one by Professor Joret" (*Jean Baptiste Tavernier*, Paris, Plon, 1886). I have not seen Joret. Pascal Pia published *Voyages en Perse*, etc, the 1677 edition, by Tavernier, which is part of the "Collection Voyages Et Découvertes Aux Éditions Du Carrefour," Paris, 1930, printed wrap, 351, [1]p, portraits, etc, a fine work, but not further described herein because references to precious stones in the Persian travels are virtually nil.

6500. -----1677, reprinted; identical save for dates in titles

6501. -----1677, London

The Six | Voyages | of | John Baptiste Tavernier Baron of Aubonne | through | Turky into Persia | and the | East Indies | for the Space of Forty Years | giving an | Account of the Present State of those countries, viz of the Religion, Government | Customs and Commerce of every country; and | the figures weight and value of the money | currant all over Asia | To which is added | The Description of the Seraglio | made English by J[ohn] P[hillips] | Added likewise | A voyage into the Indies & c. By an English Traveller never before printed | London | Published by Dr.Daniel Cox | London | Printed by William Goodbid for Robert Littlebury at the King's Arms in Little Britain & Moses Pitt at the Angel in St.Paul's Churchyard 1677.

Above title from Crooke, biblio, p lxiii; a footnote states that "I find no confirmation of the existence of an edition by Phillips dated 1676, which is given by Professor Joret."

6502. -----1678, Amsterdam

Les Six | Voyages | De | Jean Baptiste | Tavernier, | Ecuyer Baron d'Aubonne, | En Turquie, En Perse, | Et Aux Indies, |...[8 lines]...| Premiere Partie, | Où il n'est parlé que de la Turquie & de | la Perse. | [2 small floral orns] | Suivant la Copie, | Imprimée à Paris. | [rule] | M.DC.LXXVIII.

On the engrav title, placed before the printed title, appears "A Amsterdam. | Chez Johannes van Someren. l'An 1678."

12°: 2 vols, but only vol 1 examined; 13 x 7.3 cm(5 1/8 x 2 7/8 in). Probably severely cropped. "Brunet says this is rare, but neither fine nor complete." JSL.

6503. -----1678, London, variants

The Six |...| Printed and sold by Robert Littlebury at the King's Arms in Little Britain and Moses Pit [sic] at the Angel in St.Paul's Church Yard 1678.

From Crooke, p lxiv, who states "both titles contain a blunder about the 'Voyage into the Indies by an English Traveller', as the paper referred to itself bears the title 'A Description of all the Kingdoms which encompass the Euxine and Caspian seas', and contains no mention of India; it is signed 'Astrachan', and the writer says he was an Irishman. It is dated 1677 on its own title."

The following is the copy in my library(JSL) of same date in which the blunder is corrected. Both the above and this copy contain a letter to Sir Thomas Davies, Lord Mayor of London, and in the last there is also a dedication by J Phillips to Dr Daniel Cox.

6504. -----1678, London, corrected edit

The Six | Voyages | Of | John Baptista | Tavernier, | A Noble Man of France now living, | Through | Turky Into Persia, | And The | East-Indies, | Finished in the Year 1670. | Giving An | Account of the State of those Countries. | [rule] | Illustrated with divers Sculptures. | [rule] | Together With a New Relation of the Present | Grand Seignor's Seraglio, | By the same Author. | [rule] | Made English by J.P. | [rule] | To which is added | A Description of all the Kingdoms which Encompass the | Euxine and Caspian Seas. | By an English Traveller, never before Printed. | [rule] | London: Printed for R.L. and M.P. and are to be sold by John Starkey at the | Miter in Fleet-Street, near Temple Bar, and Moses Pitt at the | Angel in St.Paul's Church-Yard, 1678. [title in double-rule frame]

2°: [2], 2, [16], 264 p (error in pag: a jump from p 184-195; hence correct nunber of pages is 254) + [4], 214 + [6], 119, [3]p; pi, A, $[]^4$, $[*]^4$, A-Hh^4, Ii^3 + a^2, *B-*Dd^4, *Ee^3 + A-Q^4; 24 engrav pls, some fold, bound-in; 9 engrav text fig; woodcut inits, ch orns. 32.4 x 20 cm(12 3/4 x 7 7/8 in). Wood & Carozzi, 2147; JSL; LC 5-11796.

Cont: tp; dedic; design of author; dir to binder(for pls); comparative values of money; tab cont(for Persian & Indian travels); Persian travels; index; title to Indian travels, dedic; descriptions of money; blank p; Indian travels; index; New Relations title(dtd 1677); author's design; tab cont; 20 chs; blank p; descriptions of kingdoms tp(dtd 1677); to the reader; text; books sold by Moses Pitt([3] p).

6505. -----1679, Paris edit

Les Six | Voyages | De | Jean Baptiste | Tavernier, | Ecuyer Baron d'Aubonne, | En Turquie, En Perse, | Et Aux Indies, |...[8 lines]...| Premiere Partie, | Ou il n'est parle que de la Turquie & de la Perse. | [2 floral orns] | Suivant la Copie, | Imprimée a Paris. | [rule] | M.DC.LXXIX.

An engrav title preceding is identical to that of the Amsterdam edit of 1678 but reads at the bottom "Suivant la Copie | Imprimé a Paris l'An 1679." The printed title is reset in larger type.

12°: [34], 782, [10]p; $*^{12}$, $**^6$, A-Kk^{12}; engrav title + 8 engrav bound-in pls, part fold. 15.8 x 9.7 cm(6 1/4 x 3 7/8 in). JSL.

Cont: engrav tp; tp; dedic; design of author; pls list; text; tab cont & corrigenda.

6499. Tavernier at age 74 in the Year 1679

Volume II

Les Six | Voyages |...| Second Partie, |...| M.DC.LXXIX.

12°: [12], 616 p; §^{6}, A-Bb^{12}, Cc^{8}; 28 engrav bound-in pls, some fold. Several engrav text fig. Not all pls shown on pls list.

Cont: tp; tab cont; pls list; text; moneys.

According to Crooke, p lxi, a 3rd vol was issued in 1681; Brunét says "there were two issues of Vols I & II... Vol III [contains] the Recueil and Seraglio."

6506. -----1681, Paris. Les six voyages...nouvelle ed., revue, corrigee, & augmentee de diverses choses curieuses. Paris, G.Clouzier, 1681-82. 2 v, 25 cm. Not seen; from LC 5-11794-5. Not recorded by Crooke.

6507. -----1681, German edit, Geneva

Beschreibung | Der | Sechs Reisen/ | Welche | Johan Baptista Tavernier, | Ritter und Freyherr von Aubonne, | In Türckey/Persien und Indien/ | innerhalb vierzig Jahren/durch alle Wege/die man | nach diesen Länderen nehmen kan/verzichtet: | Worinnen | Unterschiedliche Anmerckungen von der Beschaffenheit der Religion/ | Regierung/Gebräuchen und Handlungen/ | jeglichen Landes enthalten. | Samt den Figuren/Gewichten und dem Mass der Müntzen/welche in | diesen Länderen gangbar sind. | Anfangs Frantzösisch beschrieben/und in drey Theil abgetheilt/ansetzo aber | nebenst der Beschreibung des Türckischen Serrails, und der Krönung des jetzt Regirenden | Königs in Persien/in der Hoch=Teutschen Sprach ans Liecht gestellt/ | Durch | Johann Herman Widerhold. | Erster Theil/ | Darinnen die Reisen nach Türckey und Persien | beschrieben werden. | [rect woodcut vignette] | Genff/ | [rule] | Im Jahr M.DC.LXXXI. [title in red & black]

Crooke, p lxv, gives a slightly differing version of the title, albeit abbreviated, but with correct publisher, place & date.

2°, in 4's & 6's: [28], 304 + [4], 225, [1 blank] + 11, [1 blank] + [4], 157, [1 blank] + [6], 64 +[8], 82 p; pi^{4},)(^{10}, A-Bb^{6}, Cc^{2} + pi^{2}, A-T^{6}, a^{6} + pi^{2}, A-S^{4}, T^{6} + A-H^{4}, I^{3} + (†)^{4}, A-F^{6}, G^{5}. With engrav tp which duplicates but enlarges that of the Amsterdam edit of 1678; engrav portr of Tavernier bound-in; 2 bound-in engrav pls in Persian travels; 10 bound-in engrav pls + 5 woodcut text figs & 1 woodcut tab in Indian travels; fold engrav pl map of Japan bound-in, also 4 text woodcuts, engrav map of Tunquin, and 6 engrav pls & 4 engrav vignettes of Persian coronation(one fullpage). There are numerous woodcut head- & tailpcs, inits. In addition, there are title pages for the Indian travels, one for the remainder of the work, with parts indicated, and also titlepages for Seraglio(sans date), and the Coronation, the last a full page with date. JSL.

A large, complicated edition of considerable beauty; it is double-columned and lavishly decorated with woodcut ornaments. Many of the plates incorporate two or more figures which in other editions were usually printed on separate leaves. Very rare.

6508. -----1681, Geneva. Kurtzer Begriff, etc, Genf, J.H.Widerhold. 1681. Folio. Not seen; from Crooke, p lxvi.

6509. -----1681, German, Nürnberg ...Vierzig-Jährige Reise-Beschreibung. Worinnen Dessen, Durch Türkey, Persien, Indien, Und Noch Mehr Andere Oerter, Höchst-Löblichst-Vollbrachte Sechsmalige Länder-Reise... Samt Einer Relation, Von Ausführlicher Beschaffenheit Dess Serrails Oder Türkischen Palasts. Auch Noch... Jacob Spons... Curieuses Reise, Durch Italien, Dalmatien, Griechen- Und Morgenland. Nürnberg: Hofmann, 1681. Folio. XXIV p includ engrav front + 296 + IV; + VIII + 232 + IV; + VIII + 200 + IV; + VIII + 122 + II + 120 + IV p + engrav front to last sect + 60 engrav ills on 33 pls(20 fullp) + 2 engrav maps(one fold); 13 ills in text; a few woodcuts in last part. German by J Menudier. Graesse VII, 43. Not seen, from a combination of a catalog of Brockhaus 1964 and another of 1980.

6510. -----1682, Dutch, Amsterdam

De zes | Reizen | Van de Heer | J.Bapt.Tavernier, | Baron van Aubonne; | Die hy, gedurende de tijt van veertigjaren, in Turkijen, | Persiën, en in d'Indiën, langs alle de wegen, die | derwaarts strekken, gedaan heeft. | Eerste Deel; | Daar in van Turkijen/Persiën/en't Serrail gehandelt word. | Door J.H.Glazemaker vertaalt. | Met veel kopere Platen verciert, | [oval woodcut vignette] | t'Amsterdam, | [rule] | By de Wedutwe van Johannes van Someren, Boekverkoopster in de Kalver- | straat/by de Gapers-steeg/in Perkins/1682. [in 2 vols]

Crooke, p lxvi, notes that Joret, in regard to this work, "doubts its existence."

4°: [3], [1 blank], [28], 576 + 126, [2]p; pi^{2}, *****^{4}, *****^{2}, A-Cccc^{4} + A-Q^{4}, Engrav titlep, engrav portr of Tavernier, both bound-in; 19 engrav pls, some fold in the Persian travels; 4 engrav pls, fold, in Serrail. Woodcut inits, Ward & Carozzi, 2149; JSL.

Cont: 1/2tp; tab cont; engrav tp; tp; portr; advice to travelers; tab cont; pls list for all parts; Persian travels; title to Serrail; pref; text; tab cont.

Volume II

De zes | Reizen |...| Tweede Deel. | Daar in van d'Indiën/en van de geburige Eilanden gehandelt word. |... 1682.

4°: [4], 436 p + [6], 126, [1], [1 blank]p + p 127-308(last p blank); pi^{4}, A-Hhh^{4}, Iii^{2} + pi^{3}, A-Pp^{4}, Qq^{2}. Interruption in text due to insertion of a leaf bearing captions for fold engrav map of Tunquin following; 21 engrav pls bound-in (4 double-f) + 11 engrav pls, most fold, bound-in(includes 2 fold maps) + 12 engrav pls, most fold, bound-in + 2 text woodcuts. 19.9 x 16.2 cm(7 7/8 x 6 3/8 in).

A rare and thoroughly remarkable set of Tavernier's complete works in a beautiful richly-illustrated edition which contains many more plates than any other edition, with many of these notable for the gruesome scenes of torture and horror depicted upon them, reflecting the political attempts of the Dutch to combat the influence of the English in India. The title to the Serrail is dated 1681, suggesting that the entire work may have been published one year earlier but there is no evidence otherwise to support this speculation.

6511. -----1682, Italian, Rome Viaggi nella Turchia, nella Persia e nelle Indie, fatti sei volte nello spazio di quaranta anni per tutte le strade che si possono tenere per mare e per terra... Tradotti da Giovanni Suetti... Relatione del Serraglio interiore ed esteriore del Gran Signore... Roma, stampatisotto la direzione di Gio. Battista e Giuseppe Corvi, 1682.

2 parts in one vol, 4°, [16], 488 + [4], 359, [35] + [4], 212 p; 7 engrav pls(6 on diamonds); woodcut figs. Not seen; from

Emma Sermoneta, Bologna, Cat 11, 1988, no 218. Crooke p lxvi.

6512. -----1684, a German edit, which Crooke, p lxv, doubts exists.

6513. -----1684, London edit

Collections | of | Travels | Through | Turkey into Persia & the East Indies | Giving an account of the | Present States of these countries | as also | A full relation of the Five years wars between | Aurengzebe & his Brothers, etc. ... | Being | the Travels of Monsieur Tavernier, Berniez | and other great men, Adorned with many copper Plates | The First Volume | London | Printed for Moses Pitt at the Angel in St.Paul's Churchyard | MDCLXXXIV.

Folio: 2 vols in 1; not seen, from Crooke, p lxiv-xv.

6514. -----1688, reissue of London 1684 "An issue of this year has the same general title-page as the preceding, and the pagination is identical throughout, but the following is different:- The first Part | London Printed for M(oses) P(itt) and are to be sold by George Monke at the White Horse | without Temple Bar and William Elevey at the Golden Lyon and Lamb | over againts the Middle Temple Gate MDCLXXXVIII," From Crooke, p lxv. Ward & Carozzi, 2148.

6515. -----1690, Ital edit, Bologna, 3 vol, 12°; same title as the Rome edit. Not seen.

6516. -----1692, Paris, reprint of Paris 1679

Les Six | Voyages |...| M.DC.XCII.

Completely reset but with same pagination & illustrations, the latter apparently printed from the same plates. Additional frontispiece portrait of Tavernier faces the engrav title. P size same. The 3rd vol matches. JSL.

6517. -----1702, Paris Not seen; see next entry for following year reprint.

6518.-----1703, Paris

Les Six | Voyages | De | Jean Baptiste | Tavernier, | Ecuyer Baron d'Aubonne, | En Turquie, En Perse, | Et Aux Indes, |...[8 lines]...| Premiere Partie, | Où il n'est parlé que de la Turquie & de la Perse. | [woodcut orn, flowers & vase] | Suivant la Copie, | Imprimée à Paris. | [rule] | M.DCC.III.

Preceding the printed title is the same engrav title as in Paris, 1679, but with date l'An 1702.

8°: [20], 782, [10]; $*^{10}$ A-Ccc^8, Ddd^4; engrav portr pl front; engrav tp; 9 engrav pls, part fold, all pls bound-in; pl for p 768 misnumbered "763" and bound-in at that p; pl for p 564 actually consists of 3 separate pls. 15.7 x 9.7 cm(6 1/4 x 3 3/4 in). JSL.

Volume II

Les Six |...| Seconde Partie, | Où il est parle des Indes, & des Isles voisines. |...M.DCC.III.

8°: [8], 616 p; §^{4}, A-Pp^8, Qq^4; 25 bound-in engrav pls, part fold; the moneys pls listed for p 587 are actually spread throughout the text from p 590-615; there is no pl at p 587; 2 text woodcuts.

6519.-----1712, Utrecht Les Six Voyages de J.B.Tavernier, etc. Utrecht. 2 vols. 12°. Crooke, p lxii. Possibly an 8vo. In 1960 this was listed by a Chicago bookseller as containing 1398 pages and 26 illustrations, 4 x 6 1/2 in.

6520.-----1713, Paris Nouvelle édit. Paris, Ribou. 5 vols. 12mo. "Brunét says it is badly printed," (Crooke, p lxii).

6521. -----1713, Rouen Les Six Voyages... Rouen: Machuel (according to Joret). 6 vols. 12mo. (Crooke, p lxiil. A bookseller advertised this edition in 1974 as 6 vols, "small 8vo."

6522. -----1713, another Rouen edit "An edition similar to the last, but differs in having the name Eustache Herault on the title-page," Crooke, p lxii.

6523. -----1715, La Haye Les Six Voyages. La Haye. 3 vols. 12mo. "This is on the authority of M.Joret. Perhaps identical with the next," Crooke, lxii.

6524. -----1718, La Haye Les six Voyages en Turquie, en Perse, et aux Indies... 3 vols in 6. Front, portr, 48 engrav pls(40 fold), 2 maps. The Hague: Henri Scheurler... small 8vo, (18), 782, (10); (6), 616; (6), 564, (3) p. Brunét, V, 681, "belle edition;" Graesse VI, 2, 43. Above from Louis Bondy, London, Cat 1970. Crooke, lxii gives "La Haye, H.Schwendler. 3 vols. (in 6 parts). Small 8vo, pages barely exceeding 6 inches."

6525. -----1718, Amsterdam(Rouen) edit 3 vols.(in 6 parts). 12mo(according to M Joret). From Crooke, lxii.

6526. -----1724, Rouen Rouen: Machuel le Père, 6 vols, 12mo, according to Joret. Crooke, lxii.

6527. -----1724, Rouen Machuel le Jeune, 6 vols, 12mo, according to Joret. Crooke, lxii.

6528. -----1752-1753, extracts Reisen... nach den Diamantgruben. - Reisen... im Indostanischen. (1665-66). See Arkstee & Merkus - Allgemeine Historie etc. Bd X & XI. 4°. 1752-53. Not seen; from Brit Mus (Nat Hist) Cat.

6529. -----1755, extracts "Considerable extracts... are given in the *Histoire Genérale des Voyages*, by M.l'Abbe Prévost, which was republished with additional notes in Holland(La Haye) in 1755. Most of these extracts are included in Vol.XIII of the latter edition," Crooke, lxii-lxiii.

6530. -----1810, Paris Les Six Voyages... Edition entièrement refondue et corrigée, accompagnée d'éclaircissements historiques et critiques etc. par J.B.J. Breton. Paris, Veuve Lepetit. 7 vols. 18mo. From Crooke, lxiii. Another source gives 6 vols with atlas.

6531. -----1811, extracts "Extract From Tavernier's Voyages." *A General Collection Of The Best And Most Interesting Voyages And Travels*... By John Pinkerton... Volume The Eighth. London... Longman, Hurst, Rees, Orme And Brown... 1811; p 235-57. JSL.

Contains the comments and sources of diamonds in India, the author's journey to the diamond mine of Raolconda, his

accounts of travels to other diamond mines, the manner in which diamonds occur, pricing rule, colored stones and where they are found, pearls and where fished, how pearls form in oysters, and how they fish for them. See also Crooke, lxv.

6532. -----1882, Paris

Les Voyages | De | J.-B.Tavernier | En Perse Et Aux Indes | Racontés Par Lui-Même | [rule] | Édition réduite, annotée | Et Accompagnée D'Une Notice Biographique | Par Maxime Petit | [rect wood engrav portr of T.] | Paris | Maurice Dreyfous, Éditeur | 13, rue du Faubourg-Montmartre, 13 | [rule] | Tous droits réservés [1882]

8°: [3], [1 blank], 278 p. 17 x 10.7 cm(6 3/4 x 4 1/8 in). Cropped.

Cont: 1/2tp; print data; tp; biogr note; 2 parts; index.

Selected portions of the travels, greatly condensed, the first part on Persia, the second on India. The latter contains Ch IV, mines and rivers of diamonds, p 213-7, Ch V, colored stones, p 218-23, and Ch VI, pearls and the places where found, 224-30. No illustrations; the information is so abbreviated that it is all of little value. Crooke, lxiii, calls it an edition in popular and abridged form and containing no critical information of importance.

6533. ----1889, London

Travels In India | By | Jean Baptiste Tavernier | Baron Of Aubonne | Translated From The Original French Edition Of 1676 | With A | Biographical Sketch Of The Author, | Notes, Appendices, Etc. | By | V.Ball, LL.D., F.G.S. | Director Of The Science And Art Museum, Dublin | Author Of 'Jungle Life In India,' 'The Economic Geology Of India,' Etc. | In Two Volumes | Vol.I | London | Macmillan And Co. | And New York | 1889 | All rights reserved

8°; lxx, [2], 420 p; tip-in front portr pl of Tavernier with tissue; facs of original tp & fold part col map tip-ins. Dk blue cloth, gold lett & rules on spine. 23 x 15.5 cm(9 x 6 1/8 in). Uncut. Fe & be untrimmed. Also in greenish-blue buckram. JSL. LC 5-11798.

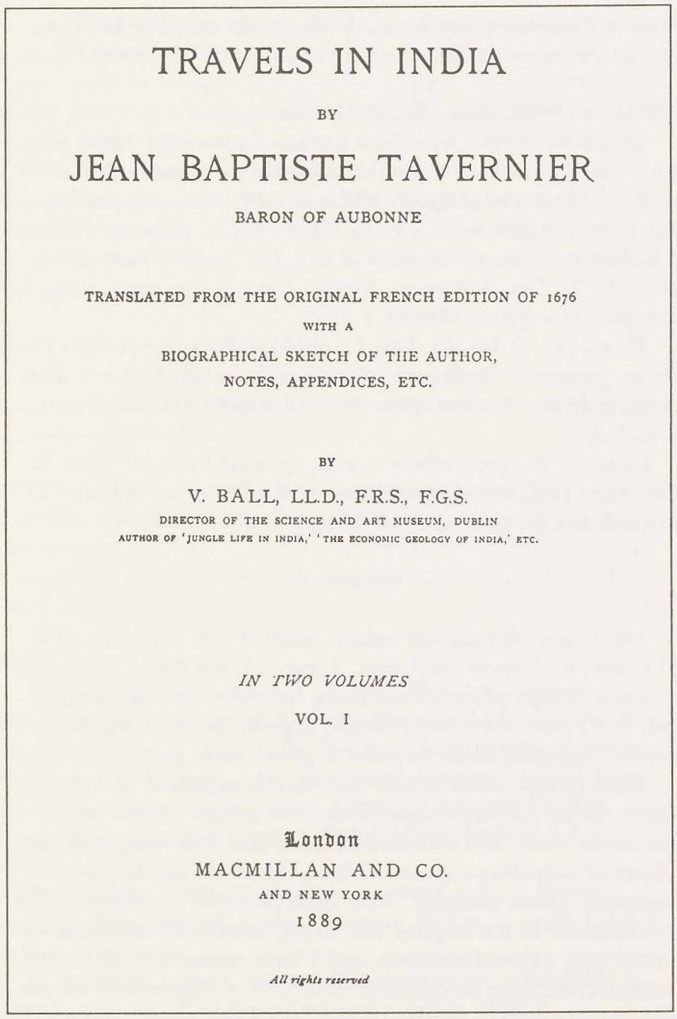
Cont: 1/2tp; logo; front; tp; print data; tab cont & ill list; pref; introd; biblio(p xxxix-xlvi, 38 entries); facs tp; text; append; map.

Volume II

Same tp, "Vol II, "same date. xviii, [2], 496 p; tip-in front portr pl of Tavernier, tissue + 6 tip-in pls(1 fold, 1 col map).

Cont: 1/2tp; logo; front; tp; print data; tab cont; ill list; pref; text; 6 appends; index & gloss.

The first English translation after the John Phillips, 1677, edition, and superior in every respect. Ball includes not only the text of the original French edition insofar as India is concerned, but also a biography of Tavernier, excellent annotated bibliography of previous editions in several languages besides French, and appendices which are of unique value and unmatched elsewhere in the Tavernian literature. Valentine Ball(1843-1895), grad of Trinity Coll, Dublin, and for many years a member of the Geological Survey of India, holding this post to 1881, was highly qualified for his task in part due to a strong interest in gemstones of India, especially its diamonds. While both volumes will be of interest to the gemologist, the matter in the highly detailed and scholarly appendices of Volume II will prove most



TRAVELS IN INDIA

BY

JEAN BAPTISTE TAVERNIER

BARON OF AUBONNE

TRANSLATED FROM THE ORIGINAL FRENCH EDITION OF 1676

WITH A

BIOGRAPHICAL SKETCH OF THE AUTHOR,
NOTES, APPENDICES, ETC.

BY

V. BALL, LL.D., F.R.S., F.G.S.

DIRECTOR OF THE SCIENCE AND ART MUSEUM, DUBLIN
AUTHOR OF 'JUNGLE LIFE IN INDIA,' 'THE ECONOMIC GEOLOGY OF INDIA,' ETC.

IN TWO VOLUMES

VOL. I

London
MACMILLAN AND CO.
AND NEW YORK
1889

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6533. For English readers Valentine Ball's translation of Tavernier remains the best source of information on the Indian diamonds which Tavernier purchased to resell in France

valuable because of treating previous writings on the Great Mogul diamond, and Koh-I-Nur,with a plate showing its state when brought to England in 1850, also discussions of the Grand Duke of Tuscany diamond, and other data, including weights, on important diamonds and precious stones as well as the large pearls mentioned and depicted by Tavernier. The appendices also list the diamond mines and locations in India, a brief essay on Bengal diamond mines, another on diamond mines of Borneo, and lastly an essay on the ruby mines of Burma. The last appendix of Volume II reviews the rare work of Chappuzeau, *Histoire des Joyaux*, 1665, which see, and with a note on the English edition. In the second edition of this work, Crooke states "the chief value of Dr.Ball's work lies in his excellent version of the original text, in his careful investigation of the Indian diamond mines, and, in particular, his identification of the hitherto unknown site of the famous Soumelpour [diamond] mine; in his elaborate description of the Koh-i- nur and other famous diamonds, their characteristics and history... in his elaborate investigation of the currency, weights and measures of India at the

time of Tavernier's travels; and lastly, in his complete bibliography of the various editions and translations of the *Travels*."

6534. -----1925, 2nd edit, W Crooke

Travels In India | By | Jean-Baptiste Tavernier | Baron Of Aubonne | Translated from the original French Edition of 1676 with a | biographical sketch of the Author, Notes, Appendices, &c. | By | V.Ball, C.B., LL.D., F.R.S., F.G.S. | Second Edition | Edited by William Crooke, C.I.E. | Late of the Indian Civil Service | In Two Volumes | Vol.I. | Oxford University Press | London: Humphrey Milford | 1925

8°: xc, [1], [1 blank], 335, [1 blank]p; front portr of T. tip-in; portr of V Ball; part col map of India tip-in at end. Blue cloth, gold lett & ruled spine. 18 x 12.3 cm(7 1/8 x 4 3/4 in), Cut. JSL.

Cont: 1/2tp; press offices; front; tp; publ data; tab cont; ill list; Ball's pref, introd; introd this edit; addit notes; biblio; facs original edit tp; text; append; blank p; map.

Volume II

Same title, with second volume number. xv, [1 blank], 399, [1 blank] p; 7 tip-in pls(1 fold; 1 map); 1 text fig.

Cont: 1/2tp; press offices; front; tp; publ data; tab cont; ill list; Ball's pref: tab cont of books; append list; text; King's licence; appends; blank p; index & gloss; blank p.

How Crooke came to edit this work is explained in Vol I, p [xxx]: "After the publication of the first edition Dr.Ball revised the entire work, and added some notes and references, with the object of preparing a second edition, which he did not live to complete. These volumes... have been placed at my disposal, The emendations in the original text largely consist of improvements in the style of the translation, and I have ventured to add some further corrections of the same kind." For a commentary on this and earlier editions, see H C Dake, *The Mineralogist*, Portland, Oregon, 25, 4, 1957, 147-57, and 5, 195-203, ill.

6535. -----1977, facs of above

Travels In India |...| In Two Volumes] Vol.I [-II] | [rule, and to right:] Oriental Reprint | OA | Oriental Books Reprint Corporation | 54, Rani Jhansi Road, New Delhi-110055 [1977]

8°: xc, [1], [1 blank], 335, [1 blank]p; front portr of T; part col, fold map tip-in at end. See below for other ill. Black cloth, gilt spine title; gray & brownish-red dj, white lett; flap resume, other publ bks. 21.3 x 13.9 cm(8 3/8 x 5 1/2 in). Cut. In plain cdbd slipcase(2 vol). Rs 125.00. JSL.

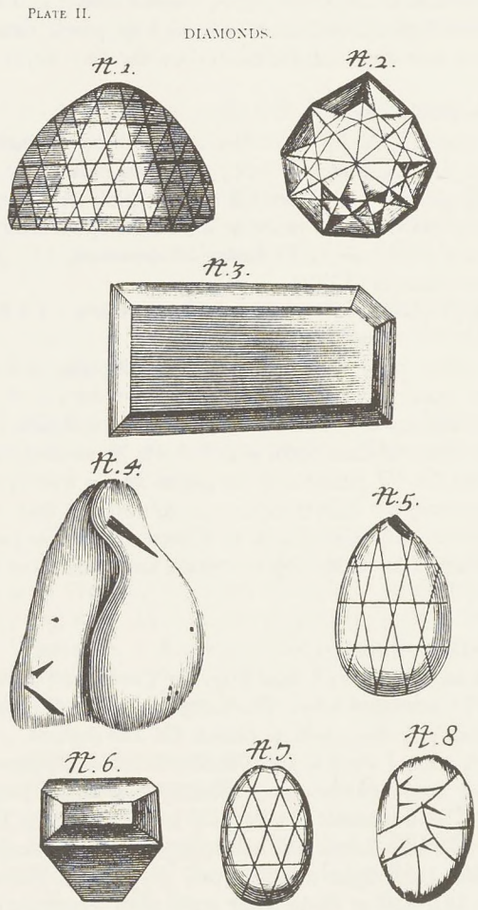
Cont: 1/2tp; publ data; front; tp; publ data; tab cont; ill list; Ball's pref; introd; introd to 2nd edit; notes; biblio; facs orig tp; text; append; blank p; map.

Volume II

Travels In India |...| In Two Volumes | Vol.II |...

8°: xv, [1 blank], 399, [1 blank]p; front portr of T, See below for other ill.

The pages in the original that list the illustrations have now been modified to omit the following: Vol I - numerical figures(Fr & Ital), touchstone, and seals or monograms of kings(3 ill). Vol II - pls showing figs of three rubies, the musk animal, cobra, banyan tree & fakirs, penitent, dagger, and marks on Batavian reales. However, Vol II does contain all other plates, including the important gem plates, of which (Pl III) is folding. The map of the diamond rivers of Bengal, facing p 355, is part colored. On the whole, the reprint is of good quality although incomplete in its illustrations. The quality of materials used in the text and binding are surprisingly good when compared to other books manufactured today in India.



6533. One of the engraved plates from Tavernier showing large diamonds

6536. -----1905, Calcutta

Tavernier's | Travels In India | [orn rule] | Originally Published In French | By | Jean Baptiste Tavernier | Baron Of Aubonne | In The Year 1676, | Reprinted From The Original English Transla- | Tion of John Phillips Esquire, | Published In London In 1677, | With A Valuable Introduction, A Short Memoir Of The | Author &c., Notes, Index And An Appendix | Containing The Facsimile Reprint Of | The Original Wood-Cuts And Plates | And Also With A Frontispiece | Containing The Portrait | Of J.B.Tavernier. | [orn rule] | Calcutta: |

Published By The "Bangabasi" Office, | 38-2 Bhowani Charan Dutt's Street. | [rule] | 1905. | Price Rs. Eight only.

4°: [2], vi, [10], xiv, 506 p; front portr pl, tissue, tip-in; tip-in tab; 13 tip-in pls(some fold). Dk brownish-purple cloth, blind ruled border & central panel enclosing an orn on front; orn rules & lett on spine. 21.4 x 13.2 cm(8 1/2 x 5 1/4 in). Cut. JSL.

Cont: tp; publ data; front; introd; memoir of T; T & Bernier; biblio; tab cont; index; text.

"The present editton is a facsimile [which it is not] re-print of the folio edition of 1678." However, that edition's titlepage is reproduced along with the *Collection of Travels*... London, 1684, with a preface by Edmund Everard, in the bibliography. This reprint contains all the matter on diamond, diamond mines, precious stones, pearls, etc, along with the pertinent plates. Very rare.

6537. TAYLOR, ALFRED(1831-)

Home College Series. | [rule] | Number [orn rule] Thirty-Nine. | [rule] | Diamonds | And | Other Precious Stones. | By | Rev. Alfred Taylor. | [orn rule] | New York: | Phillips & Hunt. | Cincinnati: | Walden & Stone. | 1883. [All enclosed in orn frame; title from wrapper]

8°: 16 p. Pale orange print wrap, title on cover, adverts other surfaces. 18.4 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. Price 5 cents. LC 8-36599. JSL.

Brief remarks on the place of gemstones in our culture, mining of diamonds, historical notes on gemstones in their relation to ancient civilizations, esteem of gems, birthstones, sources of gemstones, the diamond & several famous diamonds, brief descriptions of ruby, sapphire, topaz, amethyst, emerald, and pearl, and with references to gemstones in the Bible, with closing quotations of Dryden and other authors who mention gemstones. The author, a native of Philadelphia, was a minister and prolific writer of religious tracts. Rather unusually, considering its author, the present text is refreshingly free of moralizing.

TAYLOR, A M, see FLANIGEN, E M, et al

6538. TAYLOR, GERALD & SCARISBRICK, DIANA

Finger Rings | From Ancient Egypt To The Present Day | Catalogue by Gerald Taylor | with an introduction by Diana Scarisbrick | [Ashmol Mus logo] | Lund Humphries London | for The Ashmolean Museum Oxford and | The Worshipful Company of Goldsmiths [1978]

Oblong; gatherings in 2's & 3's: 100 p; 8 col photo pls on 4 bound-in glossy f includ in pag; 21 line drawings; 191 photos in text. Stiff, plasticized white paper wrap, col photos both covers, title in black & pale blue, and black spine title. 20 x 21 cm(7 7/8 x 8 1/4 in). Cut. ISBN 0 900090 54 5(Ashmol Mus); ISBN 0 85331 420 9(Lund Humphries). JSL.

Cont; tp; publ data; tab cont; fwd; introd; col pls(p 9-16); rings; cat(1006 pieces); biblio(p 97-100, ca 120 entries).

A splendid work, carefully designed, tastefully executed catalog of the exhibition held in Goldsmith's Hall, London, and later in Ashmolean Museum, Oxford, from July to September 1978. Scarisbrick's introduction is especially valuable for its biographical notes on the principal collectors, Sir John Evans(1823-1908) and Charles Drury Fortnum(1820-1899), whose collections were donated to the Ashmolean. A short section treats rings in general and is followed by another section on ring types which is illustrated by line drawings and furnishing a scheme of classification. Other sections treat dynasties of Egypt, notes on certain catalog entries, after which are the entries themselves, arranged chronologically from New Kingdom scarabs, 1567 BC, to modern rings, the last of which, No 1006, is dated 1978. Entries include description, materials or stones, size, provenance, notes. The large bibliography, one of the best of its kind presently available, includes works on rings in general, special types of rings, catalogues, exhibitions, and important journal articles.

TAYLOR, ISAAC(1759-1829)

Allibone, 3, 2345: Taylor was a line-engraver in London; to Lavenham, Suffolk, 1796; minister in Colchester, Essex 1796-1810, also at Ongar, Essex from 1811. Only the 6th edit of 1846 is mentioned.

6539. -----1829, New York The Mine. 6 copperpls, 215 p, 6 p adverts. 16°. NY: W.B.Gilley, 1829. Not seen; from an auction cat of 1971, which says "scarce juvenile, in the "Nutshell of Knowledge" series. Includes chapters on diamond, gold, and other mining."

6540. -----1835

The Mine; | Or | Sketches Of The Mines Of Different Countries, | The Mode of Working Them, | And | Their Various Productions. | [rule] | By The Rev. Isaac Taylor, | Author Of "Scenes In Europe, Asia, Africa, and America," | "The Ship," &c. | With Sixteen Engravings. | [rule] | Adapted To The Reading Of American Youth | Rule] | New-York: | J.P. Peaslee. | 1835.

8°: [2 blank], 280, [2 blank]p; 16 wood engrav. Brown, pebbled cloth, gilt title | orns on spine. 13.8 x 11 cm(5 1/2 x 4 3/8 in). Cut.

Cont: blank f; front engrav pl(2 engravs); tp; publ data; introd; text; classified lists of minerals; index; blank f.

A quaint, unpretentious, simply-written work in conversational style on economic minerals and mining: salt, tin, copper, iron, coal, gold, silver, lead, quicksilver, sulfur, graphite, etc, and with chapters on mines of the United States, dangers in mines, and formation of a mineral cabinet. Diamonds and diamond mining in the "East Indies" (India) and in Brazil are treated on p 48-67 and include a wood engraving of diamond washing at Golconda, India.

6541. -----1836 Scenes of commerce, by land and sea; or "where does it come from?" answered upon a plan arranged by the Rev. Isaac Taylor. New ed., including "Scenes of British Wealth." London: T.Harris, 1836. viii, 395, [1]p, 24 pls(includ front). 18 cm. LC 5-38168+. Not seen; also in J D Willems Cat, Chicago, no 28, 1965. Believed to contain matter on gemstones.

TAYLOR, F, see GUMP, A L

6542. TAYLOR, I GRANT

Chinese Jade | I.Grant Taylor | Published by | Grants Ltd | Jade Specialists | Six Burlington Arcade | Piccadilly, London, W.1 [1930?; title enclosed in orn frame]

8°: 48, [8]p; the first & last f pasted to inner bds to serve as endp; 3 actual photo prints of jade objects tipped-in. One-third

black morocco-type cloth over bds, pale tan parchment-like paper sides; gold cover title with gold Chinese characters in vertical row to left printed on the cloth. Heavy, pale tan text paper. 14.9 x 14.5 cm(5 7/8 x 4 1/2 in). Cut. JSL.

Cont: pastedown blank f; 1/2tp; tp; ltd edit; poem; photo; text; text tp("Symbols"); text; blank f; text tp("Dynasties"); dynasties list; blank p; endpaper pastedown bears printer's name.

A handsome promotional booklet acquainting customers with the basic facts of jade: types of jade, colors, sources, mining, Chinese ceremonial jades, dating, jade substitutes, common symbols seen upon Chinese jades, and a list of dynasties. Accurate.

6543. -----1936 ca

The History And Significance of | Birthstones | And Their Link With | Planetary Influences | by | I.Grant Taylor | [orn] | Published by | Grant's Ltd, | Specialists In Gem Stones & Fine Jade | Six Burlington Arcade | Piccadilly, London, W.I [title in double-rule frame; nd]

8°: 78, [6]p; 2 col pls on 2 glossy f (a single wraparound sheet of first gathering) and includ in pag; 12 zodiacal signs; doublep zodiacal chart; text fig. Pale tan, thick paper wrap covering thin cardboards, zodiacal signs both covers, title on front with drawing of Saturn. 15.1 x 11.9 cm(6 x 4 5/8 in), Cut. JSL.

Cont: front col pl; tp; quot; fwd; 6 chs; zodiacal chart; wedding annivs; ordering information for book; engagement rings; the mount; occasions for birthday gifts; price list; guarantee; 3 f of order forms.

Contains much useful information on birthstones, including an account of the history in their lore, supposed virtues & powers, choice of stone, tables of birthstones, properties of the stones, sentiments, the zodiac & signs, price list. The color plates, from drawings, show birthstones set in rings and one set in a brooch, all standard settings to be ordered from the company.

TAYLOR, J, see COPELAND, L L, 1974

6544. TAYLOR, JACK S

Gem Cutting As A Hobby | In Australia | [square dot]] by | Jack S. Taylor, F.G.A.A. [priv publ, North Sydney, nd, post 1953]

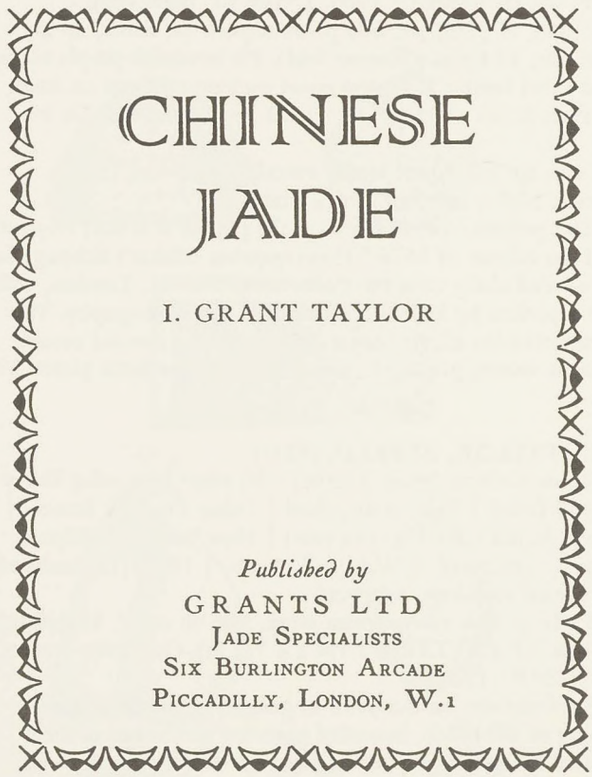
Centerstapled: [2], 24, [1]p; many fig. Stiff white paper wrap, red band & black lett on cover. 20.9 x 13.8 em(8 1/4 x 5 1/2 in). JSL.

Very brief treatment, the first two chapters providing a history of gemstones in general, and specific Australian gemstones of importance, after which appear remarks on the design and manufacture of cabochons with notes on equipment, tumbling, jewelry-making, and some special lapidary techniques.

6545. TAYLOR, LANGDON

Precious Stones | And Gems | with their Reputed Virtues | Curious, Interesting And Valuable | Notes | By | Langdon Taylor | [orn] | London | The Roxburghe Press | 3, Victoria Street | Westminster | and | 32, Charing Cross, S.W. | 1895

8°: 68 p. Entire text in green ink. Pale tan printed wrap, cover title, with ring set with gems; back cover other publ bks; spine title, all printed in blue. 16.8 x 10.5 cm(6 5/8 x 4 1/8 in). Uncut. 6d. JSL.



6542. Handsome promotional book of small size issued to customers of Grants Ltd in London in about the 1930's

Cont: 1/2tp; quots; tp; publ note; pref; tab cont; introd; 6 chs; index.

A popular work in simplified language stressing the cultural aspects of gemstones and largely culled from three sources given in the preface, much of it from C W King's *Gems and Precious Stones*. There are remarks on origin of gemstones, astrological gems, three great collections(Persian, Russian, and Krishna's Shrine!), magical & medical lore of gemstones, by far the largest chapter, and descriptions of precious stones and coloration in gemstones.

6546. TAYLOR, LES

Struck by | Lightning | A factual account of life on the black opal fields of Lightning Ridge, Australia, | full of surprises and loaded with | humorous anecdotes | Les Taylor [Ashmore, Queensland: Jon the Printer Pty ltd, 1985]

Cementback: 183, [1 blank]p; 29 col photos on 4 glossy f includ in pag; numerous pen & ink humorcus sketches, also pencil ch orns & text drawings; 6 b&w photos. Plasticized col wrap, col photos, black lett on cover & spine; col portr of author & vita back cover. 21.1 x 13.8 cm(8 3/8 x 5 1/2 in). Cut. ISBN 0 949192-01-5.

Cont: 1/2tp; tp; publ data; dedic; gloss; tab cont; pref; fwd; 16 chs; text tp; poems; blank p.

After many years in the jewelry business, the author visited the opal fields of Lightning Ridge and captivated by the beauty

of precious opal, decided to enter the opal business in 1953 as a buyer, seller, and miner. He tells of his early experiences in a time when opal was not as highly valued as it is today, and how he gradually developed his business and increased his knowledge of opal. While largely anecdotal, often amusingly so, there is much practical, hard-earned information that anyone contemplating starting up in the business or taking up mining could profit from. The last part consists of a series of amusing poems on many aspects of persons, places, and events. Rev *J Gemm*, 20, 6, 1987, 387.

6547. TAYLOR, N On the Cudgegong diamond field, New South Wales. *Geol Mag*, London, 6, 1879, 399-412, 444-58. Not seen.

6548. TAYLOR, R E, edit

Advances | In | Obsidian Glass | Studies | Archaeological and Geochemical Perspectives | Edited | by | R.E.Taylor | [logo] | Noyes Press | Park Ridge, New Jersey [1976]

16°: viii, 360 p; tab; ills. Dk green cloth, black gilt-edge panel on cover, gilt title within; similar panel on spine with gilt author name & publ. 23.4 x 15.5 cm(9 1/4 x 6 1/8 in). Cut. LC 76-43192; ISBN 0-8155-5050-2. $32.00. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref; 16 chs(in 2 parts); contrib list; index.

The contributions report progress made in hydration studies of obsidian aimed at characterisation of obsidians from specific deposits and geochemical investigations of obsidians with the same goal in mind. Specifically treated are samples from Hokkaido, California, Mesoamerica, New Zealand, and the Mediterranean-Near East region. Rev *J Gemm*, 17, 3, 1980, 199.

TAYLOR, THOMAS, see ROYAL COLLEGE OF SURGEONS

TAYLOR, WILLIAM COOKE(1800-1849)

Irish litterateur; BA Trinity Coll, Dublin 1825; to London in 1829 to engage in writing career; as tribute to excellence his work awarded LLD by U Dublin 1835. Allibone, 2; DNB.

6549. -----1838

Chapters | On | Coronations. | [large woodcut vignette] | Elevation and Acclamation of an Ancient German King. | [rule] | London: | John W. Parker, West Strand. | [rule] | M DCCC XXXVIII. [1838]

Second title:

Chapters On Coronations: | Comprising | Their Origin, Nature, And History; | Descriptive Accounts Of | The Forms And Ceremonies, Regalia And Vestments, | Used At The Coronation Of English Sovereigns | Since The Norman Conquest; | The Changes Made In The English Ritual; | The most Remarkable Ceremonies In The | Coronations Of Foreign Princes; | And A Selection Of | Coronation Anecdotes,

8°: [4], viii, 215, [1]p + 7, [1 blank]p publ catalog + blank f supplied. Front & vignetted tp on conjugate f, sewn-in, on slightly heavier tan-tint paper; 5 woodcut tip-in pls(1 fold), all with tissues; 45 text wood cuts. Blind frames, scrolls, surround a gold crown on both covers; crown, scepter & lett in gold on spine in elab frame. Pale yellow, dull-finish endp. 17.2 x 10.8 cm(6 3/4 x 4 1/4 in). Uncut. JSL.

Cont: front; tps; dedic; pref; tab cont & pls directions; 12 chs; print data; cat publ bks; blank f.

An excellent, earlier historical account that begins with a brief chapter on the origin of coronations in Europe, and is followed by chapters that concern the rituals and regalia attending the British coronations since the Norman Conquest. A large chapter is devoted to anecdotes of the various coronations from William the Conqueror to William IV. The second chapter, p 9-32, illustrated with pictures of crowns and regalia, contains information on gemstones. Allibone, 2, provides biogr data on Taylor, but does not list the present work; it is, however, noted in DNB.

6550. TAYLOR, WILLIAM P (d 1944)

African Treasures | Sixty Years Among Diamonds And Gold | By | William P.Taylor | [logo] | London | John Long, Limited | 34, 35 & 26 Paternoster Row | MCMXXXII [1932]

8°: 288 p; front tip-in glossy photo pls; 23 others tip-in. V dk blue-green cloth, gold lett & rules on spine; pale tan endp. Col dj, resume, other publ bks. 21.7 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. Soft, blotter-like paper but well preserved. JSL.

Cont: 1/2tp; front; tp; note; tab cont; ill list; introd; 33 chs; epilog.

A very readable, interesting autobiography in which Taylor relates experiences in South African diamond and gold fields from 1870 onwards. The text is in two books, the first treating ancient history of mining in Africa, with most space devoted to the discoveries and exploitation of the gold deposits, and later, the diamond deposits. The second book discusses a number of minor minerals, then gives a geographical survey of the lesser known regions of the continent, the treasures and seekers who sought them in Africa, the natives, and the Boers. Among the photographs are many of famous figures among pioneers and government officials. A respected work of good reference value. Save for the date 1933 on the titlepage, an identical reprint dk green cloth was also issued.

6551. TEALE, EDMUND OSWALD(1874-)

Short Paper No.9 [underlined] | Geological Survey Department | Tanganyika Territory | [rule] | Shinyaga Diamond Fields | by | E.O.Teale, D.Sc., F.G.S., M.Inst.M.M. | Director of Geological Survey | 1931 | Dar Es Salaam | Printed By The Government Printer | Price Shs.4- [title in double-rule frame, on cover only]

Centerstapled: [4], 39, [1 blank]p; 3 fold maps in back cover pocket. 24.8 x 17 cm(9 3/4 x 6 3/4 in). Pale gray wrap, cover title. USGS GS 32-70.

6552. TEALE, E O & OATES, F The mineral resources of Tanganyika Territory. *Tanganyika Terr Dept Lands and Mines, Geol Div Bull* No 16, 1946, 3rd edit, rev 1946. Printed wrap, cover title, xi, 171, [1]p, portr pl of Oates tip-in facing p ix; sketch map, 2 fold geol maps in pockets, one of occurrences. 24.9 x 15.7 cm(9 3/4 x 6 1/8 in). Cut. 15s. JSL; GS 48-222.

Brief notes on diamond, p 35-8, including Williamson's famous Mwadui mine, also agate, beryl, chalcedony, copal, garnet, jasper, moonstone, phenakite, rock crystal, and a section on gemstones generally, p 148-9.

6553. TECHNICA Le corail en Italie. Histoire de la pêche du corail et de son emploi au cours des siècles. *Technica*, Bruxelles, no 12, 1960, nos 1-2, 1961; 17 p. Not seen.

6554. TECHTER, DAVID

A book of photographs in 3 dimensions [orn] | Stereogram book of [blue photo] Rocks | Minerals | [green photo] Gems | Text by David Techter | Curator of Natural Sciences, Geology | Rochester (N.Y.) Museum and Science Center | Special Consultant: Dr.Edward Olsen | Curator of Mineralogy | Field Museum of Natural History Photography by Arch McLean | Hubbard Press [logo] | A Division of Hubbard Scientific Company [title part in brown; Northbrook, Illinois, 1970]

4°: 64 p, 3 col photos in text; 163 col photo stereo pairs, includ 18 pairs of rough & cut gemstones. Thick glossy paper wrap, col photo, col lett on cover; back plain blue. 28 x 21.5 cm(11 x 8 1/2 in). Cut. $4.20. JSL.

Cont: tp; publ data; tab cont; introd; use of stereoscope; 3 main divisions of photos(rocks, minerals, gems); append 1(lunar rocks); append 2(crystal systems); index.

A stereoscope, bought separately, is used upon the illustrations to provide three-dimensional viewing, but perhaps is most effective for the crystal drawings. Most specimens are indifferent quality, many are poorly color-reproduced.

6555. TEHSILDAR, Shri AMARNATH Aaine jawahar. Not seen; cited by Raj Roop Tank, in his *Indian Gemmology*, p x, which see, who states "the learned Urdu author... has written a book "Aaine Jawahar" or the "Mirror of Gems." It contains a comprehensive description of Gems and Semi-Precious Stones."

TEIFASCHI (d ca 1254)

An Egyptian gem dealer about whom very little is known. His name appears in a bewildering number of forms, that given above chosen only because it is most commonly encountered in references to his work on gemstones. Other last names are Taifashi, Teifashi, etc, and various forms are also given for his first names. M Plessner & F Klein-Franke, in *Dictionary of Scientific Biography*, Vol 13, p 407-8, the latest authority, give in full Shihāb Al-Dīn Abu'l- 'Abbas Ahmad Ibn Yūsuf Al-TĪFĀSHĪ, giving the vital dates as 1184-1253(or 1254). References to him appear in Brunet, 5, 690; H Fischer, *Nephrit u Jadeit*, 1880, 182-3, who remarks particularly on his knowledge of "Yeschm" or "Yasb," which comes from Turkestan and is nephrite. Fischer also notes that Abel-Remusat, *Histoire de la Ville Khotan*, 1820, 153, note 2, cites Teifaschi's work on gemstones with the title *Kitab al adhjar*, or, "Book of Flowery Thoughts on Precious Stones," after an Arabic manuscript in the French Royal Library, no 969. However, Brunet and Fischer refer to the Italian translation(see below). According to Plessner & Klein-Franke, ibid, Teifaschi's gemstone book most generally bears the manuscript title "Azhār al-akfar fī jawāhir al-ahjār," or very close to Abel-Remusat, "Blossom of Thoughts on Precious Stones." Comments on this work were also made by Jacques Clement-Mullet, *Essai sur la Mineralogie Arabe*, 1868, which see, who leaned heavily on it for his own work. However, Plessner & Klein-Franke, note that he only reproduced parts of the work, "and even this was done unsystematically." Larger portions of Teifaschi's text were offered by Julius Ruska, *Das Steinbuch des Aristoteles*, 1912, which see, in an attempt to show that Aristotle's lapidary was drawn upon by Teifaschi. Lastly, Ph Schmidt, *Edelsteine*, 1948, which see, considers this to be the most important Arabic lapidary.

6556.-----1784

Specimen Arabicum | Continens Descriptionem Et Excerpta | Libri Achmedis Teifaschi De Gem- | Mis Et Lapidibus Pretiosis | Quod Sub Auspiciis Dei Opt. Max. | Praeside Patre | Sebaldo Ravio | S.Theol. Doct. Linguar. Orient. Et Ant.Sacr. | Nec Non Theol.Typ. Et Exeget. Prof. Societ. | Scientar. Zelandiae Adscripto | Die XVII. Junii Hora X. | Publice Defendet Filius | Sebaldus Fulco Ravius | Civis Traiectinus | Auctor. | [woodcut coat-of-arms] | Traiecti Ad Rhenum, | Ap. Abrahamum à Paddenburg, | Acadaemiae Typographum, | MDCCLXXXIV. [Utrecht, 1784]

4°: [3], [1 blank], 103, [1] p; pi^2, A-N^4. Woodcut ch orns, inits. 27.8 x 21.9 cm(11 x 8 5/8 in). Uncut; possibly issued in pamphlet form. Dewalque, 422; JSL. See other references above.

Cont: tp: dedic; text in 4 parts; "Quaestiones Criticae."

A doctoral dissertation publicly defended at Leyden, 17th June, 1784. It is a translation into Latin of an Arabic MS, the work of Sebald Foulques (or Fulco) Jan Rau, orientalist, b Utrecht 1765, and becoming a minister of a church in Leyden in 1788; he died in 1807. His father was Sebald Rau, a famous oriental scholar. The first part appears to be a general survey of the extant knowledge of pearls and gems among Near East Arabs, citing various works in which such are described. The second part deals with Teifaschi himself and the manuscripts which contain his treatise. The Third part briefly surveys the work itself and additionally gives the first chapter of his work on pearls, p 46-73, both long and richly annotated. The fourth part considers the remaining gemstones treated by Teifaschi, dealing with each in a separate chapter, from hyacinth to talc, 25 stones altogether. Each stone is described with its physical properties, falsifications or substitutes, origin, healing powers, qualities & commercial value, etc.

The stones are pearl, hyacinth(corundum?), emerald, beryl, garnet, diamond, bezoar, cat's-eye, turquoise, carnelian, agate, onyx, magnetite, malachite, lapis lazuli, coral, amethyst, hematite, nephrite, jasper, rock crystal, etc. Detailed comments on each may be found in Clément-Mullet, cited above, which remains the most important such commentary.

6557. -----1818, Ital edit

Fior Di Pensieri | Sulle | Pietre Preziose | Di | Ahmed Teifascite | Opera | Stampata Nel Suo Originale Arabo, | Colla Traduzione Italiana Appresso, E Diverse Note | Di | Antonio Rainieri. | [taper rule] | Firenze | Nell'Imp. ER. Tipografia Orientale | Mediceo-Laurenziana | [wavy rule] | MDCCCXVIII. [Florence, 1818]

4°: [6] + [56] + 118 p. 24.8 x 20.2 cm(9 3/4 x 8 in). Cut. USGS Kunz Coll; Brunét, 5, 690; H Fischer, *Nephrit u Jadeit*, 182-3.

Cont: tp; transl pref; Arabic text; transl tp; pref; tab cont; 25 chs.

In this version the following are treated: pearls, jacinth, emerald, topaz, balas ruby, benfesc[bezoar?], garnet, diamond, cat'-eye, belzuardo, turquoise, carnelian, onyx, magnet(lodestone), smeriglio(emerald), dahneg, lapis lazuli, coral, sabag, giemest, khamahan, iisem, diaspro, rock crystal, and talc. Other names for the same stones are also given, as well as their origin, sources, qualities, defects, magical & medicinal properties, values, and prices.

6558. -----1906, 2nd edit, Bologna. Not seen

TEKTITES SYMPOSIUM, see SECOND INTERNATIONAL SYMPOSIUM ON TEKTITES

6559. TELONI, BRUTO Pietre incise orientali del Museo di Perugia. *Societa Asiatica Italiana, Giornale*, 18, 1905, 195-216. Not seen.

SPECIMEN ARABICUM

CONTINENS DESCRIPTIONEM ET EXCERPTA LIBRI *ACHMEDIS TEIFASCHII* DE GEMMIS ET LAPIDIBUS PRETIOSIS

QUOD SUB AUSPICIIS DEI OPT. MAX.

PRAESIDE PATRE

SEBALDO RAVIO

S. THEOL. DOCT. LINGUAR. ORIENT. ET ANT. SACR. NEC NON THEOL. TYP. ET EXEGET. PROF. SOCIET. SCIENTIAR. ZELANDIAE ADSCRIPTO

DIE XVII. JUNII HORA X.

PUBLICE DEFENDET FILIUS

SEBALDUS FULCO RAVIUS

CIVIS TRAIECTINUS

AUCTOR.

TRAIECTI AD RHENUM,
Ap. ABRAHAMUM à PADDENBURG,
ACADEMIAE TYPOGRAPHUM.
MDCCLXXXIV.

6556. Sebald Rau's doctoral dissertation (Leyden) translating and commenting on the gem treatise of 13th century Arabic author Teifaschi

TENNANT, JAMES(1808-1881)

Brit mineralogist, geologist; apprenticed to John Mawe, the well-known mineral & gem dealer; after Mawe's death, managed, then purchased the business. Self-educ, but remarkably well; taught geol/mineral King's Coll, London from 1838 (recommended to that post by Michael Faraday); apptd Queen Victoria's Mineralogist 1840; supervised re-cutting Koh-I-Nur diamond; F Geol Soc; pres Geol Assoc. DNB. Obit *Geol Mag*, ns, dec 2, vol 8, 1881, 238-9.

6560. -----1853(?)

Lectures On The Results Of The Exhibition, | Delivered Before | The Society Of Arts, Manufactures, And Commerce, | At The Suggestion Of H.R.H. Prince Albert, | President Of The Society. | [rule] | Lecture XV. | By | Professor Tennant, | F.G.S. | Gems And Precious Stones. | London: | David Bogue, Fleet Street. | [rule] | Price Sixpence. [cover title, all within double-rule frame]

8°: p[73]-104; col litho tip-in pls of crsytal forms; 4 text cuts. Pale tan wrap; other publ of series on other surfaces. 18.5 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. 6p. Cont: cover title; text title; text. JSL.

This lecture is reprinted from the whole volume of the second series of lectures, 1853, consisting of vi, 466 p. It mainly concerns the outstanding specimens placed on view in the Crystal Palace during the Great Exhibition, Hyde Park, London, 1851. There is also a discussion of the Koh-I-Nur diamond in its old form and after re-cutting, other famous diamonds, the diamonds of Brazil, and the famous Devonshire emerald crystal shown in one of the cuts. The color plate shows transitional crystal forms as faces are modified and a fullpage cut shows a variety of gemstone crystals.

6561. -----1870

Science And Art Department | Of The Committee Of Council On Education | South Kensington Museum. | [double rule] | A | Descriptive Catalogue | Of | Gems, Precious Stones, | And Pearls, | Bequeathed To The South Kensington Museum By The | Rev.Chauncy Hare Townshend, M.A. | By James Tennant, F.G.S. | Professor Of Mineralogy, King's College, London. | [seal] | London: | Printed By George E.Eyre And William Spottiswoode, | Printers To The Queen's Most Excellent Majesty. | And Sold By Chapman & Hall, | Agents To The Department For The Sale Of Examples. | 193, Piccadilly, London. | 1870. | [rule] | 24338. Price Sixpence.

8°: [4], 22, [1], [1 blank]p. 21.7 x 14.2 cm(8 1/2 x 5 1/8 in). Cropped. USGS Kunz Coll.

Cont: tp; blank p; extract from Townshend's will; tab cont; catalog; index.

Describes outstanding examples in a splendid collection that is still on view in the museum, the latter now bearing the name Victoria & Albert.

6562. -----1872(?)

South Africa And Its Diamonds. | (Reprints And Extracts.) | [Printed for Private Distribution by J.Tennant, Mineralogist to her | Majesty, Prof. of Mineralogy, etc., 149, Strand, London.] [sic]

8°: 24 p; cross-sects, map, other wood engrav ill. 21.5 x 13.5 cm (8 1/2 x 5 1/2 in). Cropped. JSL.

Cont: I.-"On the diamond fields of South Africa," T Rupert Jones, p 1-12, cross-sections (reprint from *Geol Mag*, Feb 1, 1871). II.-"Diamond fields of the lower Vaal, South Africa," extracts from letters written by E T Cooper, Government Surveyor, to Dr G Grey, p 12-19, sketch map, cross-section(from *Mining J*, Mar 4, 1871). III.- "A paper... on South African diamonds, by James Tennant...", 19-22, figs(read before Soc Arts, London, Nov 23, 1870). IV.-[on discovery of diamonds] by Prof Tennant, p 22-3(paper read before Roy Geogr Soc, Jun 22, 1863), crystalillust; V.- [newspaper article on Vaal River diggings], p 23-4, the *Times,* Feb 7, 1871, with tables of production statistics; VI.- [Comment on S.African diamonds by Tennant], p 24, Geol Soc Meeting, Nov 8, 1871. VII.- "Common forms of South-African diamonds," p 24, 6 cuts of forms. VIII.- "Common forms of quartz, for comparison," p 24, 4 cuts.

TENNANT, SMITHSON (1761-1815)

Brit MD(Cambridge U 1796), but practised only short time; much traveled in Brit Isles & abroad; 1813, prof chem Cambridge U; mbr Roy Soc from 1785. Pogg 2, 1071.

6563. -----1809 IV. On the nature of diamond. *Phil Trans Roy Soc London...abridged*, vol 18, London, 1809, 97-9. Reports results of burning diamond and production of "fixed air"(carbon dioxide) whose quantity approximates that that would be obtained by burning an equal weight of charcoal.

TENNE, CONRAD FRIEDRICH AUGUST(1853-1901) & CALDERÓN Y ARANA, SALVADOR

Ger mineralogist; PhD U Göttingen 1878; custodian Mineralogical Mus Berlin; Privatdocent 1886; prof 1894; many trips to Spain to study its minerals.

6564. -----1902

Die | Mineralfundstätten | der | Iberischen Halbinsel | von | † Prof. Dr.Tenne, Berlin | und | Prof.Dr.Calderón, Madrid. | [double rule] | Berlin 1902. | Verlag von A.Asher & Co.

8°: XII, 348, III, [1]p. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cropped. JSL.

The first systematic, complete topographic mineralogy of the Iberian Peninsula, published posthumously under the editorship of C Klein. The last two leaves bear a brief vita of Tenne. In addition to the usual minerals, the following gemstones are described: diamond, an alleged crystal from Andalusia, quartz in numerous crystalline & chalcedonic varieties, including the citrine known as "Spanish topaz," common opal, marbles, sphalerite(Picos de Europa),alabaster gypsum, apatite, the facet grade material known as "asparagus stone" from Jumilla, chiastolite, meerschaum, fine quality jet, and amber. Bibliography, p VI-XII, 175 entries. For more on the minerals, see Calderón's *Los Minerales de España*, 1910, which is based on the present work.

TENNYSON, C, see STRUNZ, H, et al, 1970

TERPEND, T L, see BEET, C

TERPSTRA, PIETER(1886-)

Netherlands crystallographer; DSc Groningen U 1916, lecturer on crystall 1924-48; wrote several important textbks on crystallography; developed new goniometer for very small crystals & method for crystallographic computations adapted to modern computers.

6565. -----1949

Edelstenen | Door | Prof. P.Terpstra | [logo] | 1949 | Servire · Den Haag

In series: Servire's Encyclopaedia, Afdeling: Geologie, Redacteur Prof. Dr. H.A.Brouwer, A 5/3.

8°: 178, [2 blank]p; 34 fig. Bright blue, pebbled cloth-type paper over bds; blind logo on cover; gold lett spine. 16.5 x 11.9 cm(6 1/2 x 4 3/4 in). Cut. Also sold in wrap(not seen). JSL.

Cont: descript of the Encyclopedia; method of costing the parts; tp; tab cont; introd; 11 chs(in 2 parts); notes; biblio(p 172, 6 entries); index; blank f.

The first part describes physical, chemical, and optical properties, crystallography, nomenclature, and lapidary treatment. The second part deals with the gemstones from diamond to others of lesser grade and providing the usual array of facts. The text generally is pitched to a level somewhat higher than one sees in standard gemologies but is still very useful although not entirely free of errors, especially in regard to gemstone occurrences.

6566. TERRY, THOMAS P

Arkansas | Diamonds | How to search | for Diamonds | [orn rule] | It's finders keepers | at Murfreesboro | [orn rule] | How to build a | diamond shaker | [orn rule] | Maps, Photos, Tips | History & More! | [to right, a photo, below:] | Thomas P.Terry [La Crosse, WI: Specialty Publ Co, 1977]

Front cover title: black lett over red except for photo.

Centerstapled: 40 p includ front cover + [2 blank], [5 advert]p + [3 blank] p + back cover; 73 photos, 2 sketch maps, 6 line drawings, Bright red drawing of cut diamond back cover. 27.5 x 20.9 cm(10 7/8 x 8 1/4 in). Cut. $4.00. JSL.

Cont: cover title; 1/2tp; publ data; pref; taxt; blank f; adverts; 3. blank p; back cover.

Reviews the history of the diamond discoveries and mining activities at Murfreesboro, illustrated with many contemporary photos, then describes the author's experiences digging in the State of Arkansas Crater of Diamonds Park with remarks on how one goes about prospecting, digging, and sifting the ground with a home-made screen. While much of the historical material is already published, Terry provides information on recent discoveries of larger stones as well as practical advice to diggers.

6567. TERSMITTEN, H Catalogue du cabinet de pierres gravées antiques et modernes de M: H.Tersmitten. Amsterdam: P.Yver, 1756. 8°. Not seen: from DAMME, P VAN(1728-1806) *Catalogue de la Bibliothéque...* délaissés par M.Pierre Van Damme, La Haye, 1807, - 203. The cabinet was sold en masse in 1789 for 45,000 florins.

TERTSCH, HERMANN J (1880-)

Austrian mineralogist, crystallographer; PhD Vienna U 1903; prof in the univ. Pogg 5, 1247.

6568. -----1947

H.Tertsch | Das Geheimnis | der Kristallwelt | Roman Einer Wissenschaft | Mit 12 Tafeln und 48 Abbildungen | 1947 | Gerlach & Wiedling [Wien]

8°: 391, [1 blank] p; 12 tip-in glossy photo pls; 48 text fig. Stapled sections. Bright yellow paper over bds, blue & gilt edged & lett label on cover; blue cloth spine gilt lett. 20.1 x 14.5 cm(7 7/8 x 5 3/4 in). JSL.

Cont: 1/2tp; tp; publ data; introd; text; 2 indexes; blank p.

Traces the development of mineralogy from its earliest records into the present era, with numerous footnotes of explanation or reference. The first six chapters are of interest to the gemologist because of treating very early mentions of gemstones in the works of Theophrastus, Pliny, Damigeron, Orpheus, Evax, also treatises by Arabic scholars, among them Solinus, Isidore of Spain, Pseudoaristotle, Al Biruni, etc. Chapter five describes German mining & mineralogy in the Middle Ages along with discussions of the contributions of Albertus Magnus, Marbod, Arnaldus Saxo, Konrad von Megenberg, Agricola, and others. Chapter six is also interesting because it is devoted to the nomenclatural problems of gemstones, minerals, stones, and ores, and identifying the substances to which were appended curious names, including gemstones. From Chapter seven onward, the text concerns itself with modern mineralogy, commencing with the epochal discoveries of the 16th-17th centuries, and early 18th century. A work of considerable historical value but rarely mentioned in this connection.

6569. TERVO, WILLIAM A

The | Rockhound' s | Guide | to | New York State | Minerals, Fossils and Artifacts | by | William A.Tervo | [logo] | An Exposition-Banner Book | Exposition Press New York [1967]

16°: [2 blank], 148, [2 blank]p; sketch map. Pale brown

cloth, black title on cover & spine. Col dj, resume, vita, portr photo. 20.4 x 13.5 cm (8 x 5 3/8 in). Cut. LC 67-24270. JSL.

Cont: blank f; 1/2tp; tp; publ data; dedic; pref; tab cont; introd; text tp; 19 sects; blank f. Biblio in pref, 25 entries.

Terse directions to several hundred localities, with historical notes, points of interest, etc, in addition to the usual information on what to find. By far most information is on fossil-collecting, and only a few places for gemstones are given for labradorite, sunstone, quartz varieties, and garnet.

6570. TERZAGO, PAOLO MARIA (fl mid 17thC) Musaeum Septalianum Manfredi Septalae patritii Mediolanensis industrioso labore constructum; Pauli Mariae Terzagi Mediolanensis physici collegiati geniali laconismo descriptum; politioris literaturae professoribus erudita humanitate adepertum: cum logocentronibus sive centonibus eiusdem, Terzagi de natura crystalli, coralij, testaceorum montanorum, & lapidificatorum, achtis, succini, ambari, & magnetis. Dertonae: 1664. 4°: in Italian by P F Scarabelli, Tortona, 4°; 1666 & 1667. Not seen, from H HENNING VON DER OSTEN, *Altorientalische Siegelsteine*, 1957, who remarks on the presence of Gnostic gems in the collection. Pogg 2, 1082-3, who notes that this work was famous for its speculation that meteorites may be fragments of the Moon.

TESCIONE, GIOVANNI(1884-)

Ital engineer, public servant, arts connoisseur; eng degree from Liège U; stud law U Naples; service in WW I; entered public office in Ital Chamber Commerce; author of works on art; at time of writing, pres State Inst & Mus of Arts of Coral, Torre Del Greco.

6571. -----1948 Italiani all pesca del corallo, ed egemonie marittime nel Mediterraneo. Saggio di una storia della pesca del corallo con speciale rifermente all'Italia meridionale. Reale Deputazione Napoletana di Storia Patria. Napoli: Fausto Fiorentino, 1948, lxxxvii, 395 p, ill. Not seen.

6572. -----1968, 2nd edit. Same title, 506 p. Rev M O'Donoghue, *J Gemm*, 12, 8, 1971, 346, "first attempt to reconstruct the history of the Italian coral-fishing industry."

6573. -----1973, Engl edit

Giovanni Tescione | The Italians | And | Their Coral Fishing | Fausto Fiorentino [Naples, 1973; title in black & green]

8°: [2 blank], 490, [5], [1 blank]p; 6 col & 15 b&w photos on 18 tip-in glossy f. Maroon, unfin cloth; gilt spine title. Col dj. 28.7 x 22.6 cm (11 1/4 x 8 7/8 in). JSL.

Cont: blank f; 1/2tp; tp; publ data & translator; prefs; introd; 9 chs; regulations; index tp; tab cont; colophon); blank p.

A remarkably full historical treatise on the Italian coral fishery & industry, commencing with the Angevin Period of domination of the Italies, ca 13th-15th centuries, and progressing into our times. Chapter 4, a large one, describes the history of the famous coral fabrication center of Torre Del Greco near Naples. A most rewarding work, but careful attention to the notes is recommended in order to obtain full value and in places one may find the English awkward and misspellings common. The introduction is of special interest for its historical survey of coral throughout the world and its utilization in many civilizations.

6574. -----1965

Giovanni Tescione | Il corallo | nella storia e nell'arte | [col photo] | Montanino Editore · Napoli [1965]

8°: 405 (first f blank), [3], [2 blank]p; 52 col tip-in pls; 2 b&w tip-in pls; 364 text photos(includ head- & tailpcs). Coral-col silk, unfin, gold lett on cover & spine; pale yellow patterned endp with coral branches in col. Col dj, vita, resume. 29.9 x 24 cm(11 3/4 x 9 1/2 in). In slipcase covered in part with similar silk; sides with yellow, patterned glossy paper, red lett. JSL.

Cont: blank f; dedic; 1/2tp; publ data; pref; 30 chs; tp to index; col pl no 54; ch index(each with contents summ); photo credits; notes; subject index; biblio(by ch); b&w ill list; pls list; errata; publ data; blank f.

The largest and most detailed monograph yet published on coral used in jewelry and ornament, with most of the text devoted to knowledge of this material throughout the ages and the objects which were made from coral in each of them. Only the first chapter treats natural history with remarks on the development of knowledge concerning the true nature of the coral animals and the process by which they form the stony structures that support them. Here also are mentioned geological evidences of corals in past eons, and the composition and properties of the corals used in the jewelry trade. The second chapter discusses the mythology and folklore associated with coral. In somewhat disorganized fashion, chapters 3 & 4 return to more technical aspects such as the coral fisheries, distribution of coral banks, uses of coral, commerce & trade, development of the coral industry in the vicinity of Naples, particularly in Torre Del Greco, and then, in chapter 5, passing to a discussion of the geological ages of corals, evidence of coral use among prehistoric tribes, and paying most attention to the cultures that depended upon the Mediterranean banks for their supplies. The last Chapter gives an interesting, detailed exposition of the coral industry in the vicinity of Naples, the schools in Torre Del Greco where apprentices are taught the necessary arts in the carving and other working of coral, shell, and other materials used especially in cameos. Here will be found good accounts of specific lapidary processes as well as information on the grading of corals. The entire book is handsomely illustrated with most of the plates and text figures showing the diverse objects made in whole or in part from coral, either as jewels or as table or other types of ornament. As typical of Tescione, his bibliograqhy is large but is also marred by failure to provide paginations.

6575. -----1973

Giovanni Tescione | Il Corallo Nelle Arti Figurative | Fausto Fiorentino Napoli: "copyright 1972," but the colophon gives completion of printing as 1973. The title, as before, is in black & green ink.

8°: [4] + tip-in dedic f + p[5]-186 + [13], [1 blank]p; 54 glossy photo pls, some tip-in, some bound-in (41 b&w photos, 34 col photos, the latter one photo/f). Maroon unfin cloth, gilt spine title. White dj, col photo front. 28.7 x 23.1 cm(11 1/4 x 9 1/8 in), Cut. JSL.

Cont: blank f; tp; publ data; dedic f; pref; col pl; 12 chs; concl; ill lists; colophon; blank p.

In this work, Tescione distills the material of his two previous

books into a "popular" presentation which is much easier to read. There are no footnotes nor bibliography, such works as are mentioned appearing in the text. The treatment is chronological, preceded by a chapter on the nature of corals (with mentions of fossil species), coral in the Orient in antiquity, coral in the Stone Ages, then the Bronze and Iron ages, into the Greek & Roman periods of Mediterranean civilization, to an eventual discussion of coral in modern times. The illustrations are varied and include old paintings in which coral is depicted, and photographs of older as well as modern pieces in which coral is the sole material or combined with other materials in more elaborate works. A handsome, valuable book.

6576. TESDORFF, WILHELM Gewinnung, Verarbeitung und Handel des Bernsteins in Preussen von den Ordenzeit bis zur Gegenwart. Eine historisch-volkwirtschaftliche Studie. Jena: G Fischer, 1887. 4 p, f, 147 p, [1]p, tab. 8°. Not seen, data from LC 1 G-496; see also G R v Bock, 181.

TESORO DELLE GIOIE, see ARDENTE ETEREO

THAI FABERGÉ COLLECTION, see KRAIRIKSH, B

6577. THEISEN, VERENA

Diamanten-Fibel | Handbuch der Diamant-Graduirung | Qualitätsbeurteilung | von Farbe, Reinheit, Schliff | und Gewicht | mit 300 Abbildungen | und 3 Tabellen | Verena Theisen, G.G. - F.G.A. [priv publ, Düsseldorf, 1968]

8°: 159, [1]p; 170 fig(many multiple); gem profiles fig. Tip-in fold tab. Plasticized paper over bds, col drawing & sketch on cover, title in white & yellow; back cover black; dk blue cloth spine with silver lett. 21 x 14.8 cm(8 1/4 x 5 3/4 in). Cut. DM 28.50. JSL.

Cont: 1/2tp; tp; publ data; tab cont; biblio(p 8, 14 entries); ill credits; ackn; fwd; introd; 4 sects; concl; advert; publ data.

The title is an understatement; rather than being a "primer of diamonds," it is a thorough, authoritative explanation of the methods by which cut diamonds are graded according to color, freedom from flaws and inclusions, and cut & weight. No important consideration is neglected, but perhaps in places it is too detailed and the reader may have trouble finding certain bits of information quickly. The text treats the quality factors in a like number of sections, providing in each a discussion of the problems and their solutions, along with recommended procedures and all illustrated with numerous clear figures and photographs. The folding table gives the system of evaluation of cutting quality. Rev *J Gemm*, 11, 7, 1969, 271-2; *Zs Dt Ges Edelstkunde*, 64, 1968, 35-7.

6578. -----1970(?), 2nd edit. Not seen

6579. -----1972, 3rd edit; author name change

Diamanten-Fibel |...| mit 360 Abbildungen | und 3 Tabellen | Diamant- Imitationen | Verena Pagel-Theisen, G.G., F.G.A., D.Gem.G. [priv print Neuenhain, 1972]

8°: 211, [1 blank], [11], [2 blank], [1]p; 283 fig(many multiple, one in col) + "gem profiles" on p 199; portr photo of author. Tip-in fold tab. Black, plasticized paper over bds, col drawing of diamond on cover, white lett; plain back cover; black cloth spine with white lett. 21.1 x 14.9 cm (8 1/4 x 5 7/8 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ackn; fwds; introd; RAL (Germany) standard; text; concl; ill credits; biblio(p 209, 17 entries); author vita; blank p; advert; blank f; notices.

Completely revised, rewritten, more illustrations, and more discussion of newer instruments applicable to diamond grading; there is a new chapter on synthetics and diamond imitations.

6580. -----1973, Engl transl

Handbook | of Diamond Grading | German Standards | Quality Evaluation of | Colour, Clarity, Cut and | Weight | with 360 illustrations | and 3 tables | Diamond Imitations | by Verena Pagel-Theisen, G.G., F.G.A., D.Gem.G.
[Priv publ, Kronberg, 1973]

8°: 210, [3], [1 blank]p; same ill. Similar binding. 21 x 14.9 cm (8 1/4 x 5 7/8 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref to this edit; pref to 3rd edit; introd; RAL standard; text; concl; ill credits; biblio; vita; advert; blank p.

Translated by Patricia B Lapworth of Elizabeth Bay, Australia. Rev: *J Gemm*, 14, 3, 1974, 143; *Austral Gemm*, 12, 2, 1974, 59.

6581. -----1980 Diamond Grading ABC: Handbook of Diamond Grading. 7th edit.
Antwerp: Rubin & Co, 1980, 275 p, 451 b&w & 54 col ill. 950 fr; $35.25.
Not seen; from rev by F H Pough, JCK, Oct 1981, 234, "to an uninitiated, self-taught diamond evaluator, this is the best and most practical guide yet the most valuable part... is the clarity discussion... with this book one could learn to make a clarity decision which would likely coincide with one from a certificating laboratory."

6582. THEOBALD, WILLIAM E

Defrauding the | Government | True Tales of Smuggling, from the Note-book | of a Confidential Agent of the | United States Treasury | By | William H.Theobald | [orn] | Myrtle Publishing Co. | 1 West 34th St., New York | 1908 [title in double-rule frame]

8°: [2], viii, 508, [2 blank]p; front portr photo of author on tip-iIl glossy f with tissue. Bright red cloth, gold title cover & spine. 18.7 x 12.6 cm(7 3/8 x 5 in). Cut. JSL.

Cont: front; tp; publ data; dedic; tab cont; pref; text; blank f.

Describes numerous smuggling cases in which the author was personally involved in the investigations, most of them concerned with attempts to smuggle diamonds, pearls, and jewelry. The Lasar diamond case, p 1-28, receives major attention.

THEOPHRASTUS, of Eresus(ca 372-287 BC)

Famous scholar of classical Greece, b in Eresus, Island of Lesbos; stud in Athens where he came to notice of Aristotle, then becoming his pupil & friend; succeeded Aristotle as head of the Peripatetic School & remained its leader until death. Details on T most readily available in Caley & Richards' *Theophrastus on stones*, 1956, or Eichholz' *Theophrastus de lapidibus*, 1965, both described below. See also DSB 13, 328-34.

6583. -----1497, Venice, first printed edit Aristoteles et Theophrastus. Venetiis, in domo Aldi Manutii Romani et

Graecorum studiosi, 1497, tom II, fol, 254- 60. Not seen; from Caley & Richards.

According to Caley & Richards, ibid, 4, the treatise is a set of notes, possibly taken down by a student listening to lectures delivered by Theophrastus but "safely assumed to represent the actual views of Theophrastus, and he may reasonably be considered the author." On the other hand, Eichholz, ibid, is firmly of the view that the treatise is from the pen of Theophrastus himself and that it is not a fragment, as has been suggested numerous times, but a complete, though short work.

Theophrastus' treatise, commonly called the *Peri Lithon*, or "Concerning Stones," commences with speculations as to the origins of stones, and discusses their distinctive properties as well as some tests by which differences among them may be elucidated. This is followed by a rather rambling description of numerous minerals, gemstones, and earths, excepting metallic minerals and metals, which are stated to have been described elsewhere in a treatise now lost. All of the matter is presented tersely and is almost entirely free of superstitious lore, except for the emerald, for which it claims that gazing upon it refreshes the eyesight and that an emerald placed in water colors it green. F D Adams, *Birth & Development Geol Sciences*, 1938, 19, notes that "it differs entirely in its style and content from any other work upon this subject written in classical times - in fact, no other work at all resembling it appeared until later on in the Middle Ages. It remained for 1800 years a most valuable and authoritative work on minerals, referred to and quoted by all, and shows that even at this early time there existed, probably among miners, quarrymen and other men engaged in the technical trades and industries, a body of knowledge of mineralogy, especially on its practical side, which had been drawn upon by Theophrastus in the compilation of his work." Adams further notes that Pliny must have had a more complete version of the treatise because of mentions of stones that are not now in the *Peri Lithon*, but this is refuted by Eichholz as noted above. H Tertsch, *Das Geheimnis der Kristallwelt*, 1947, 31-4, also provides illuminating remarks on the treatise, suggesting that it reflects the views of his mentor, Aristotle. See also MAŚLANKIEWICZ, K; Pogg 2, 1091-2.

The gemstone content of *Peri Lithon* is not large but important for those ornamental and precious materials that it does mention, namely, marbles and calcite onyx, lapis lazuli, obsidian, and other massives, and also emerald, sard, garnet, adamas (probably corundum), amber, rock crystal, and others, all of which are carefully examined by Caley & Richards and by Eichholz, who make identifications where possible. Both authorities offer much ancillary material which makes rewarding reading as well as providing lists of printed editions of *Peri Lithon* from which I have freely drawn much of the information below on those not personally examined.

6584. -----1541, Basle Publ by J Oporinus. Not seen.

6585. -----1552. Venice edit of 1497 reprint An edition by "Capotiana apud Aldi filios, 1552, pp.569-82," Caley & Richards.

6586. -----1577, Paris Theophrasti de Lapidibus. An edition by Adrian Turnebus. Lutetiae, ex officina Federici Morelli, 1577. Caley & Richards; Agassiz IV, 424.

6587. -----1578, Paris another Turnebus edit, but with first Latin transl of orig Greek text: Theophrasti de Lapidibus Liber, ab Adriano Turnebo latinate donatus. Leutetiae, ex officina Federici Morelli, 1578. Caley & Richards.

6588. -----1605, Hanover Theophrasti Eresii peripateticorum post Aristotelem principis, pleraque antehac Latine numquam, nunc Graece et Latine simul edita. Interpretibus Daniele Furlanus Cretensi, Adrian Turnebo. Accesserunt liber De innato spiritu, Aristoteli attributus et Danielis Furlani uberes ad omnia commentarii. Hanoviae, typis Wechelianis, apud Claudium Marnium, 1605. Caley & Richards; Ward & Carozzi, 2164; Agassiz IV, 424.

6589. -----1613, Leyden Theophrasti Eresii Graece et Latine opera omnia. Daniel Heinsius textum graecum locis infinitis partim ex ingenio partim e libris emendavit, hiulca supplevit, male concepta recensuit, interpretationem passim interpolavit. Cum indice locopletissimo. Lugduni Batavorum, ex typographio Henrici ab Haestens,impensis Iohannis Orlers, And. Clouq, et Ioh.Maire, 1613. From Caley & Richards who note the unfavorable criticism directed against this edition by later commentators on Theophrastus. Pritzel, 9196 gives folio, 8 ff + 508 p; Greek & Latin text in opposite columns. See also Choulant, p 60; Wellcome 6269; Michael Phelps, London, Cat 28, 1987, no 142, gives same pagination, and the further contents of this collected works edition in addition to the De Lapidibus: De signis ventorum, De igne, De odoribus, De sudoribus, De piscibus in sicco degentibus, De animalibus, De melle, and Notae morales(with sep tp).

6590. -----1647, Leyden Included in De Laet's work on stones which appears as a supplement to A B DeBoodt's *Gemmarum et lapidum historia*, 1647, which see, ie "Ioannis De Laet Antverpiani De Gemmis et lapidibus libri duo quibus praemittitur Theophrasti liber De Lapidibus Graece et Latine cum brevibus annotationibus," with the work itself on 24 unnumb leaves after the preliminaries and just ahead of De Laet's text. Agassiz IV, 424.

6591. -----1746, London, Engl transl, J Hill

[title in Greek in 4 lines] | Theophrastus's | History of Stones. | With an English Version, | And | Critical and Philosophical Notes, | Including the Modern History of the Gems, &c. | described by that Author, and of many other of | the Native Fossils. | [rule] | By John Hill. | [rule] | To which are added, | Two Letters: | One to Dr.James Parsons, F.R.S. | On the Colours of the Sapphire and Turquoise. | And The Other, | To Martin Folkes, Esq; Doctor of Laws, | and President of the Royal Society; | Upon the Effects of different Menstruums on Copper. | Both tending to illustrate the Doctrine of the Gems | being coloured by Metalline Particles. | [rule] | London, | Printed for C.Davis, against Grays-Inn in Holborn, | Printer to the Royal Society. | MDCCXLVI.

8°: xxiii, [1 blank], 211, [1 advert]p; A^8, a^4, B-O^8, P^2. Woodcut tailpcs. 21.8 x 13.7 cm(8 5/8 x 5 3/8 in). Uncut. LC 17-16693. JSL; Agassiz IV, 424.

Cont: tp; dedic; subscriber list; pref; text to p 159; blank p; tp to "Letters;", blank p; ltrs; Greek index; general index; publ bks.

ΘΕΟΦΡΑΣΤΟΥ τοῦ ΕΡΕΣΙΟΥ

ΠΕΡΙ ΤΩΝ

ΛΙΘΩΝ

ΒΙΒΛΙΟΝ.

THEOPHRASTUS's

HISTORY of STONES.

With an ENGLISH VERSION,

AND

CRITICAL and PHILOSOPHICAL NOTES,

Including the Modern Hiſtory of the GEMS, *&c.* deſcribed by that Author, and of many other of the Native FOSSILS.

By *JOHN HILL.*

To which are added,

TWO LETTERS:

One to Dr. JAMES PARSONS, F.R.S.
On the Colours of the *Sapphire* and *Turquoiſe.*

AND THE OTHER,

To MARTIN FOLKES, Eſq; Doctor of Laws, and PRESIDENT of the ROYAL SOCIETY;

Upon the Effects of different Menſtruums on *Copper.*

Both tending to illuſtrate the Doctrine of the GEMS being coloured by *Metalline Particles.*

LONDON,

Printed for C. DAVIS, againſt *Grays-Inn* in *Holborn,* Printer to the ROYAL SOCIETY.

MDCCXLVI.

6591. John Hill's translation and commentary of Theophrastus' "Peri Lithon," the first translation into any modern language

For more information on Hill, see entry under his name. The work is highly regarded, eg, "the first edition in which the text appeared as a single work, as well as the first translation into any modern language and the first extensive commentary... still of considerable value for the light it throws on the state of chemical, geological, and mineralogical knowledge in the period during which it was written," Caley & Richards, 5. In this regard, Eichholz, 5, states that "Hill's text and translation are less valuable than his commentary, which was based on a wide knowledge of the natural science of his time," and later, p 52, "his edition... brought him money and fame." After the preliminaries and preface, Hill presents the Greek text verso and English translation recto on opposing pages, but so enriches the text with footnotes that these occupy considerably more space than all of the Greek-English text put together. The terse, unvarnished Theophrastian text is far overshadowed by the detail of the commentary which could almost be taken out of the work to form an independent, highly interesting essay on extant British mineralogical knowledge. It is here that much gemological information can be found, for which Hill acknowledges such sources as Pliny, De Laet, and above all, Salmasius. There is also much on the chemical knowledge of the time, which Hill introduces as needed to comment upon the formation of minerals and otherwise. The book ends with two letters, the first stating Hill's conviction that on the basis of the known coloring properties of copper in various compounds containing that element, that it is also responsible for the color in sapphire and turquoise. Generally ignored, this is one of the earliest logical arguments presented upon the role of metallic coloring ions. The second letter describes how various acids (among other substances and treatments) affect copper and how the colors of resulting compounds further substantiate Hill's conclusion about the coloring properties of the copper ion. An important work, now rare.

6592. -----1774, 2nd edit, London

[five lines in Greek] | [rule] | Theophrastus's | History Of Stones. | With an English Version, and Notes, | Including the Modern History of the Gems described by | that Author; and of many other of the Native Fossils. | To Which Are Added, | Two Letters: | I. On the Colours of the Sapphire and Turquoise. | II. Upon the Effects of different Menstruums on Copper. | Both tending to illustrate the Doctrine of the Gems being | coloured by Metalline Particles. | [rule] | The Second Edition; | Enlarged by the Addition of a Greek Index of all the | Words in Theophrastus. | Also | Observations on the New Swedish Acid, | and of the Stone from which it is obtained; | And With | An Idea of a Natural and Artificial Method of Fossils. | [rule] | By Sir John Hill. | [double-rule] | London: | Printed for the Author, in St.James's -Street: | And Sold by L.Davis, in Holborn; Nourse, in the Strand; White, in | Fleet-Street; Cater, in Holborn; Bell, in the Strand; Fletcher, | at Oxford; Woodyer, at Cambridge; and Bell, at Edinburgh. | [rule] | M DCC LXXIV.

8°; viii, 342, [45], [1 blank]p; A^4, B-U^8, X^7, *X^8, †X^5, Y-Z^8, Aa^4, Bb^2, see note below. 21.2 x 13 cm(8 3/8 x 5 1/8 in). Cropped. LC 8-84638; JSL; Ward & Carozzi, 2168; Agassiz IV, 424.

Note: while the pagination reads correctly throughout, the curious lapses in signing are due to (1) removal of last f of X, of which only the stub remains, and noting thereto that the catchword on p318, X7 verso, is "Greek" which is incorrect (the Greek index to which it refers does not appear until considerably later), and (2) the removal of the last f of original signature *X, of which only the stub remains, and to which is pasted a cancel leaf to a stub which appears to be conjugate with dagger x5, the last f in the signature. In any event, after these physical changes, the text reads as intended. It seems that the original type set-up intended to present the "Greek Index" after p 318, but inadvertently perhaps, it was decided that it should follow the text, that is, appear after the "Letters." Two other copies were examined and found to be identical.

Cont: tp; pref; text; Append I; Append II; ltrs; Greek index(names of stones); Greek index(general); General Index; blank p.

The fundamental text remains the same although reset in larger type and thus occupying proportionately more pages than before. Caley & Richards, 6, "largely unaltered as regards the text, translation, and commentary, but containing additional matter in the appendix and a fuller index." Appendix I, 267-78,

describes the "new Swedish acid," that is, HF or hydrofluoric acid, first made by K H Scheele(1742-1786), although his name is not given by Hill, but the latter identifies the mineral as fluorite, which is attacked by sulfuric acid to yield hydrofluoric acid. Appendix II outlines Hill's proposed mineralogical classification scheme which he had developed and published in his *Fossils Arranged*, 1771, which see; of what use it is in the present work is unclear. This edition is not as rare as the first.

6593. -----1754, Paris, Fr transl

Traité | Des Pierres | De | Théophraste | Traduit Du Grec; | Avec Des Notes Physiques | & Critiques, traduites de l'Anglois | de M.Hill; | Auquel on a ajouté deux Lettres du même Auteur, l'une | au Docteur Parsons, sur les couleurs du Saphir | & de la Turquoise; & l'autre à M. Folkes, Prési- | dent de la Société Royale de Londres, sur les effets | des différens Menstrues sur le Cuivre. | [woodcut orn] | A Paris, | Chez Jean-Thomas Herissant, Libraire, | rue S.Jacques, à S.Paul & à S.Hilaire.| [double rule] | M.DCC.LIV. | Avec Approbation & Privilége du Roi.

12°: xxiv, 287, [1 blank]p; a^{12}, A-M^{12}. Woodcut head & tailpcs, inits.
15.8 x 9.2 cm(6 1/4 x 3 5/8 in). Cropped. JSL; Ward & Carozzi, 2167; Agassiz IV, 424..

Cont: tp; prefs; approb & priv; text; blank p; ltrs tp; ltrs; index; blank p.

The first French translation but translator not named; taken from Hill's version, and including his notes, comments, etc.

6594. -----1770, Nürnberg, Ger transl

Theophrastus | von den Steinen, | aus dem Griechischen. | [Rule] | Nebst | Hills | physicalischen und critischen | Anmerkungen, | und einigen | in die Naturgeschichte und Chymie | eingeschlagenden | Briefen, | aus dem Englischen übersetzt. | [rule] | Mit | Anmerkungen, | und | einer Abhandlung von der Kunst der Alten | in Steine zu schneiden, vermehret, | von | Albrecht Heinrich Baumgärtner. | [floral orn rule] | Nürnberg, | bey Johann Adam Lochner. 1770.

8°: 384, [24]p; pi^8, A-Aa^8,)(^{8},)()(^{4}. Ch orns. 17.5 x 10 cm(6 7/8 x 4 in). Cropped. JSL; USGS GS 34-348 gives height as 18.5 cm; Agassiz IV, 424.

Cont: tp; dedic; pref; life of T; text; ltrs tp; ltrs; transl treatise on ancient gem engraving; index; errata.

In this rare edition, the Greek text, verso, is supplied with the corresponding German translation recto, but in segments, the spaces between filled with notes & commentary. This edition is remarkable for the essay by Baumgärtner, 369-84, on the history of the art of gem engraving, noting its near perfection under the Greeks, the great esteem in which such gems were held, modern workers in the art, hallmarks of genuine gems, imitations, choices of stones, and remarks on some famous European collections. B was born in Erlangen in 1743; he died in 1809.

6595. -----1807, Freiberg, another Ger transl Theophrast's Abhandlung von den Steinarten. Aus dem Griechischen übersetzt und mit Anmerkungen begleitet von C.Schmieder[Karl Christoph S]. Freiberg, 1807, 8°, Not seen. Caley & Richards, 6, note that this work is "said to have been published at Freiberg in 1807, but this seems to be a very rare work, since no other mention of it could be found, and no copy could be located."

6596. -----1818, Leipzig, part of T's *Opera* Theophrasti Eresii quae supersunt opera et excerpta librorum quatuor tomis comprehensa. Ad fidem librorum editorum et scriptorum emendavit, Historiam et libros VI De causis plantarum conioncta opera D.H.F.Linkii, excerpta solus, explicare conatus est Io. Gottlob Schneider, Saxo.Lipsiae, sumptibus Frid. Christ. Guil. Vogelii, 1818, Tom V., 1821. Not seen. Caley & Richards, 6, "in the nineteenth century the treatise again appears in the form of a Greek text and Latin translation in Schneider's elaborate edition of the complete works of Theophrastus published at Leipzig in 1818, followed by a fifth volume in 1821...Schneider's is the most valuable [edition, of three] for its extensive critical notes and discussions of the readings of earlier editions."

6597. -----1862, Leipzig, in his Opera

Theophrasti Eresii | Opera] Quae Supersunt Omnia. | [rule] | Ex Recognitione | Friderici Wimmer. | Tomus Tertius | Fragmenta | Continens. | Accessit Prisciani Lydi Metaphrasis In Theophrasti | Libros De Sensu Et De Phantasia, | [logo] | Lipsiae | Sumptibus Et Typis B.G.Teubneri. | MDCCCLXII

8°: XXXIII, [1 blank], 330 p, 18 x 12 cm(7 1/8 x 4 3/4 in). Trimmed, but close to original size. JSL.

Cont: tp; pref; emends to Vol II; conspectus of writings; blank p; text; indices.

The *Peri lithon*, in Greek only, appears on pages 34-50, but a Latin translation was provided in the Paris edition, see Caley & Richards, 6, 13-14.

6598. -----1866, Paris Theophrasti Eresii Opera quae supersunt omnia, Graeca recensuit, Latine interpretatus est, indices rerum et verborum absolutissimos adject Fridericus Wimmer... Parisiis, Firmin Didot, 1866. Not seen, from Caley & Richards, 12.

6599. -----1896, Athens, transl into modern Greek Not seen, from Eichholz, 53, 135.

6600. -----1902, Paris, in MÉLY, F DE, *Histoire Des Sciences, Les Lapidaires De L'Antiquité*, etc, Vol III, Fasc 1, which see. Commentary on p XLI-XLVI, the translation, p 1-12. Eichholz, 135, "a somewhat fanciful interpretation of the opening sections."

6601. -----1922, Jena, in another work: "Zur Geschichte der Mineralogie. Geschichte der Mineralogie im Altertum und im Mittelalter." *Fortschritte Min Krist Petrogr*, Jena, 1922, Bd 7, 427-80. The translation, after the Wimmer text, Teubner, 1862, appears on | 431-45, by Karl Mieleitner, who is of the opinion that the *Peri lithon* is only a fragment of a larger work.

6602. -----1956, Columbus, Engl transl

Theophrastus | On Stones | Introduction, | Greek Text, English Translation, | And Commentary | Earle R.Caley | The Ohio State University | John F.Richards | Columbia University | Columbus, Ohio | The Ohio State University | 1956.

"Graduate School Monographs: Contributions In Physical Science, No.1."

8°: vii, [1 blank], [1], [1 blank], 238 p. Green cloth, gold logo on cover, gold lett spine. Green dj, white lett; flap resume, vitas. 22.8 x 15.2 cm(9 x 6 in). Cut. LC 57-62622. $5.00. JSL.

Cont: 1/2tp; tp; ser tp & publ data; pref; tab cont; text tp; introd; MSS | edits; abbrev; text; criticism; transl; commentary; biblio(works cited in commentary, p 223-6, 57 bks, 24 arts); Greek index; index to transl & comment.

A most valuable translation and commentary with much ancillary information; it represents the culmination of efforts of four persons over a period from 1934 to date of publication, but with many interruptions and the need for two of the contributors to retire from further involvement(Pref). On par, and at least as good or even better in some respects to the later work of Eichholz below. Earle Radcliffe Caley, MSc, PhD, Ohio State U; Lewis Prize, Amer Phil Soc, 1940. John Francis Chatterton Richards, BA Oxford U 1921, MA 1927; AM & PhD Harvard U.

6603. -----1965, Oxford, Engl transl

Theophrastus | De Lapidibus | Edited With Introduction, | Translation And Commentary | By | D.E.Eichholz | Professor Of Classics | University Of Bristol | Oxford | At The Clarendon Press | 1965

8°: vi, [1], [1 blank], 141, [1], [2 blank]p. Smooth red cloth, gold lett spine. Pale green dj, blue title on cover; other bks, resume back cover 21.7 x 14 cm(8 1/2 x 5 1/2 in). Cut. 45 s net. JSL.

Cont: 1/2tp; tp; publ data; pref; tab cont; introd; text & transl; comment; biblio(134-6, 58 bks, 21 arts); indexes; press note; blank f.

Perhaps gaining useful insights from its immediate predecessor above, Eichholz presents a very detailed and scholarly treatment which in many respects provides facets of information not to be found elsewhere. *Peri lithon* as a whole is described in the Introduction with remarks on special features, its probable date of composition, between 315-305 BC, the missing parts, formation of minerals, with an appendix giving Aristotle's theory of the formation of metals and minerals, and the various MSS and editions. After the Introduction appears the Greek text and its translation, followed by the commentary. Eichholz is clearly of the opinion that the *Peri lithon*, though short, is complete in itself and advances compelling reasons for his opinion. This work, used in conjunction with Caley & Richards, now provides all of the information on Theophrastus that one could desire.

THIAGARAJAN, R, see IYER, L A N, 1961

6604. THIBEAUDEAU, PAUL

La | Fabrication & Décoloration | Du Diamant | [orn] | Rubis Scientifique & Reconstitué | [wavy rule] | La Crise Actuelle | [wavy rule] | par Paul Thibeaudeau | [orn] | Errata. - Page 4, lire Thibeaudeau pour Thibaudeau | Page 5, lire combustibilité pour combustibilité. [Paris, 1909]

8°: sewn: 59, [1 blank]p; 2 fig, one on cover. Stiff, pale tan wrap, title on cover, fig; floral orn frame around print data on back cover. Pale translucent tissues line each cover and are tipped-in. 21.5 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. JSL.

Cont: tp; pref; 7 chs in 3 parts; blank p.

The first part describes the diamond and various attempts at synthesis and notes that diamond can be decolorized by heat. The second part discusses electricity and its employment in furnaces, with a diagram of a typical installation which can be used for the heat treatment of diamonds and other gemstones. The third part discusses corundum, natural and synthesized, or "scientific," as well as the reconstituted type. The headings in this part are the same as those used by Verneuil in his classic paper that describes his method of flame-fusion, and the text is obviously a paraphrase of this paper. The last chapter discusses the "present crisis" in the gem market due to the appearance of synthetic corundum, and even suggesting that Moissan's attempts at diamond synthesis were successful.

6605. THIEL, GEORGE A & DUTTON, CARL E

University Of Minnesota | Minnesota Geological Survey Bulletin 25 | ...| The Architectural, Structural, | And Monumental Stones | Of Minnesota | By | George A.Thiel | And | Carl E.Dutton | [seal] | Minneapolis · 1935 | The University Of Minnesota Press

16°: ix, [1 blank], 160 p; tip-in front pl; 78 fig; 23 col photos on 9 glossy tip-in f. Dull red cloth, gold lett spine. 22.9 x 15.2 cm(9 x 6 in).
Cut. $2.50. JSL. LC 35-27892.

Composition, classification, geology of the rocks, physical properties, working the stone, granites & related rocks, sedimentary & metamorphic rocks, inactive quarries, list of finished stone producers. good bibliography. Some colorful granites have been used in smaller lapidary objects.
Rev *Amer Min*, 20, 12, 1935, 883.

6606. THIELE, COLIN

Fire | In The Stone | by Colin Thiele | Harper & Row, Publishers | New York, Evanston, San Francisco, London [Harper Crest Libr Edit; 1974]

16°: [2 blank], [7], [1 blank], 305, [1 blank], [1], [3 blank]p. Col paper over bds; tan spine with black & blue lett; back cover tan with logo.
Tan endp. Dj like cover, with resume, vita, other publ bks. 20.1 x 13.6 cm (7 7/8 x 5 1/4 in). Cut. $6.79. LC 74-2610; ISBN 06-026102-1. "Harpercrest Standard Book Number": 06-026103-X. JSL.

Cont: blank f; 1/2tp; tp; publ data; dedic; text tp; text; gloss; print data; 3 blank p.

The adventures of Ernie Ryan, a 14 year-old boy, while opal-mining in the inland fields of Australia. For juveniles but interesting and useful for its background on opal mining with which the author is obviously familiar.

THIERSCH, FRIEDRICH WILHELM V0N(1784-1860)

Ger philologist; prof ancient literature Gymnasium in Munich & founder its philological inst.

6607. -----1835 Ueber die Vasa murrina der Alten. *Abhandl Philosoph-Philolog Cl K Bayerischen Akad Wiss*, München, 1835, 443-507. Discusses probable identity of this Roman material used to manufacture the "murrhine" vases.

6608. -----1837 Ueber das Onyxgefäss in der K.preuss. Sammlung geschnittener Stein zu Berlin. Mit 2 Stahlstichen. *Abhandl der I. Cl k Bayerischen Acad Wiss*, Bd 2, Abt 1, München, 1837, 61-106. Not seen: USGS Kunz Coll, GS 34-814.

6609. THILO, E; JANDER, J & SEEMAN, HANS Die Farbe des Rubins und der $(Al, Cr)_2O_3$ -Mischkristalle. *Zs Anorg und Allgem Chemie*, Leipzig, 279, 1955, 2-17, 7 fig. Not seen. *Min Abstr* 14, 1, 1959, p 40: "investigates proportions of aluminum-chrome oxides in relation to the red coloration and the appearance of green as 8 mol% of Cr_2O_3 or more is present."

6610. THILO, ISAAC (or ISAK) Dissertatio physico-historica de succino Borussorum, etc. Lipsiae: 1663. 4°, 34 p. Not seen. BMC; Gatterer 2, 153; Hoover finding list. Pogg 2, 1094 gives a "De succino" by Thilo (also THILAU), Gottfried von(1646-1724). Not seen; Agassiz IV, 426.

6611. THOENEN, J R; HILL, ROBERT S; HOWE, E G & RUNKE, S M Investigation of the Prairie Creek diamond area, Pike County. Ark. *US BuMines Rept Invest* 4549, Nov 1949. Edgestapled: [1], [1 blank], 24 p; 28 fig on 28 bound-in f. Printed wrap, title on cover. 26.8 x 20.5 cm(11 1/2 x 8 in). JSL.

Reports investigative work and results. Topics: location, accessibility, physical features, climate, history, production statistics, properties and ownerships, geology, rocks & minerals, development, sampling, concentrates, results. Biblio p 22-4, 35 entries. Plates: maps of area, borehole locations, underground pipe profiles, equipment used to excavate & process ore, photo of diamonds recovered. Out of 435 tons of ore processed only 32 stones weighing 8.4 carats altogether were recovered.

6612. THOMA, HANS

Hans Thoma | Kronen | Und Kleinodien | Meisterwerke | des Mittelalters | Und Der Renaissance | Aus Den Schatzkammern | Der Residenz Zu München | Aufnahmen von | Walter Hege | MCMLV | Deutscher Kunstverlag [München, 1955]

"Deutscher Lande Deutsche Kunst, begründet von Burkhard Meier."

8°: 30, [1], [1 blank]p + 80 photos on 40 bound-in glossy f; 4 col pls cut-out & mounted in text(one is front). Black cloth, gilt title on cover; gold bar on spine with black title. B&w dj, col photo on cover, white title; flap resume. 25 x 17.5 cm(9 7/8 x 6 7/8 in). Cut. JSL.

Cont: ser tp & logo; front; tp; note; text; pls explan; pls tp; pls.

Beautifully illustrated catalog/guide to the treasures housed in the Residenz Museum, Munich, Germany. The objects, of which many are ornamented with gemstones or embody gemstones in their construction, were collected by members of the Wittelsbach family, the rulers of Bavaria. The text provides historical details on the family as well as upon the collection and also discusses the techniques used by artisans in the manufacture of the pieces.

6613. THOMA, HANS & BRUNNER, HERBERT

Schatzkammer | Der Residenz München | Katalog | Herausgegeben und bearbeitet von | Hans Thoma Und Herbert Brunner | 1964 | Bayerische Verwaltung der staatlichen Schlösser, | Gärten und Seen, München

8°: [4], 391, [1 blank]p + 48 photos on 24 glossy bound-in f + 1 glossy f, loose, bearing photo recto & text verso ("Erganzung zum Katalog...). V pale gray semi-glossy wrap, title & photo on cover; spine title. 20 x 12.5 cm(7 7/8 x 5 in). Cut. Copies 10,001-20,000. Also in v pale gray unfin cloth, gold spine title. JSL.

Cont: tp; publ data; tab cont; fwd; note; sources; biblio(p 10-4, 112 entries); abbrv; text; 3 indexes; concordance nos; blank p; pls.

The now much-improved catalog/guide to the 10 rooms of the Residenz Museum in Munich, Germany. The catalog begins with a brief history of the accumulation of the treasure and biographical remarks on the members of the Wittelsbach family responsible for the acquisitions. The body of text, divided by room, lists and describes the items contained therein, all of it forming a veritable wonderland of dazzling jewels and precious metals used to create almost every type of ornament from personal jewelry, orders, swords, table pieces, urns & vases, to numerous small sculptures. Of most interest to the gemologist, lapidary and jeweler are rooms six and seven in which objects made from gemstones predominate, being manufactured in whole or in part from such materials as rock crystal, smoky quartz, amethyst, chalcedony, aventurine, nephrite, serpentine, lapis lazuli, garnet, and fine pieces of the famous Florentine pietre dure work. The catalog contains valuable remarks under rock crystal on the manufacture of containers that were carved before the 18th century. Other gemstones, eg, amber and coral, are to be found in many objects of other rooms. Catalog entries: description, dimensions, artisan, manufacture date, etc. Indexes are provided of artists and artisans forming a valuable record. Photographs are very good and some are close-ups showing details of more elaborate examples of craftsmanship.

6614. THOMAS, BLAKEMORE E, edit

Guidebook For Field Trips [underlined] | Meeting at San Diego State, 1961 | Blakemore E.Thomas, Editor | Prepared for the 57th Annual Meeting | Cordilleran Section | The Geological Society Of America | and | Associated Societies | 1961 [San Diego State Univ: Geol Dept]

Centerstapled: [3], 67, [3]p; ca 50 ill(maps, photos, diagrs). Pale tan wrap, cover title with photos; sketch inside back cover. 23 x 21.8 cm (11 x 8 5/8 in). Cut. JSL.

Includes a chapter on the Pala and Mesa Grande pegmatite mine districts noted for their gemstones as tourmaline, beryl, etc, and with appropriate maps and comments on the gemstones themselves.

6615. THOMAS, CECIL Gem engraving. *J Roy Soc Arts*, London, 60, (3091), 1912, 360-75; also issued in 16 pages reprint. Not seen. Excerpted in *Jewelers Circ*, Feb 28, 1912, 64, 4, p 63, 65; Mar 6, 1912, 64, 5, p 61-3. Discusses technology of engraving gems.

6616. THOMAS, HENRY SULLIVAN A report on pearl fisheries and chank fisheries [of Tuticorin], 1884. Madras: 1884, 2°, p 1-34. Not seen: from Kunz & Stevenson, *Book of the Pearl*, biblio.

6617. -----1887 The pearl oyster of the Gulf of Manaar: *Avicula (Meleagrina) fucata. Madras J Lit & Sci*, 1886-7, 8°: 27 p. Not seen; from BMC, also in Kunz & Stevenson, *Book of the Pearl*, biblio.

6618. THOMAS, KARL Die Bernsteinformationen des Samland, *Neue Preuss Provincial-blätter*, Königsberg, 3, 1847, 241-57. Not seen, from G R v Bock, 171.

6619. -----1856 Der Bernstein in naturwissensehaftlicher, industrieller und volkswirtschaftlicher Beziehung. *Archiv f Landeskunde Preuss Monarchie*, 1, 1855, 280-317; 2, 1856, 368-402. Not seen; from G R v Bock, 181.

6620. THOMAS, VAUGHAN Thoughts on cameos and intaglios of antiquity suggested by a sight and survey of the Blenheim Collection. By a lover of the fine arts [Vaughan Thomas]. Oxford: 1847, 8°: 68 p. Not seen. On the Marlborough collection.

THOMASIUS, or THOMASEN, JAKOB, or JACOB(1622-1684)

Ger philologist, prof belles-lettres, philosophy Leipzig U; one of Leibnitz' teachers. *Biogr Univ*, 45, 468-9.

6621. -----1661

Deo, | Et | Majorum Ordine | Qvi Lipsiae Est, | Concedentibus, | Exercitationem Physicam | De | Gemmis, | Praeside | Viro | Excellentissimo, Ac Praeclarissimo, | Dn.M.Jacobo Thomasio, | Eloqvent.Prof.Publ.Celeberr. | Facult.Philosoph.-Assessore graviss. nec non Minor. | Princip. Collegii Collegiat. digniss. | Dn.Praeceptore, Patrono, etq$_3$ Fautore suo avùm | venerando, | Eruditorum Censureae submittit | Ehrenfredus Hagendornius, Wolav-Sil. | A. & R. | Ad diem 14.Decembr. | A.O.R. cIↃ IↃc LXI. | H.L.Q.S. | [rule] | Lipsiae, | Literis Johannis Erici Hahnii. [Leipzig, 1661]

4°: [10]f; A-B^4, C^2. 19 x 15.5 cm(7 1/2 x 6 in). Cropped. JSL.

Cont: tp; pref; text in 4 "themes"; corollaries; ltr.

An essay-thesis on gemstones treating their nomenclature, origin, external influences upon formation, places where they originate, composition, properties, and synonymy. Gatterer 2, 17; Hoover finding list.

6622. THOMPSON, LESTER S The upland diamond deposits of the Diamantina district, Minas Geraes, Brazil. *Econ Geol*, 23, 1928, 705-23, 6 fig. Summ: *Min Mag*, 22, 125, 1929, 70. Not seen.

THOMPSON, ROBERT, see O'DONOGHUE, M, et al, 1976

THOMS, A, see HEDDLE, M F

6623. THOMSON, HORACE L

[double rule] | Gems | [double rule] | How To Know | and | Cut Them | [dot] | By | H.L.Thomson [cover title only] [1934]

P[2]: "Printed... by California Graphics Press, Los Angeles."

Edgestapled: 25, [1], [2 blank] p; 5 pls integral to text but not includ in pag; 9 fig(called "plates"). Bright red-orange paper over bds; black title on cover. 23.7 x 15.3 cm(9 3/8 x 6 in). Cut. $.50. JSL.

Cont: blank p; publ data; front pl; text; list of California stones; troy weight tab; blank f.

Elementary lapidary instructions: how to make equipment, with two figures of a home-made cutting machine, list of suggested readings, how to make a calcite dichroscope, gemological tests, property tables, description of gemstones likely to be found in California. Poorly organized and written, but popular in its day due to absence of other literature on amateur gem cutting.

6624. -----1935, reprint

[double rule] | Gems | [double rule] | How To Know | and | Cut Them | For Amateur And Student | by | H.L.Thomson [1934, but recte 1935]

Edgestapled: [2], 25, [1], [2 blank]p; same ill. 22.8 x 15.2 cm (9 x 6 in). Cut. $.50; Canada $.75. JSL.

Cont: tp; publ data; advert & author address; index & prices; pl; text, etc, as before.

Aside from adding a titlepage, and some other slight changes in the front matter and elsewhere, identical. A revised edition issued in 1937 but incorporated in another work is described below.

6625. -----1937

Legends of Gems | The Strange Beliefs Which the Astrological | Birthstones Have Collected Through | the Ages | by | Horace L.Thomson | Incorporated with a revised edition | of | Gems - How to Know and Cut Them | Graphic Press | 4314 Sunset Boulevard | Los Angeles, California [1937]

8°: [3], 124 p + [8]glossy p bearing 11 ill & [4]p for notes + 1 blank p; 9 fig(called "plates") + pls 10-12 + [8] photo pls. Bright yellow paper over bds, with blue lett & facet gem on cover; blue cloth spine. 22.2 x 15.2 cm (8 3/4 x 6 in). Cut. JSL. LC 38-7300.

Cont: tp; publ data; tab cont; text; tp to 2nd work(p 77); publ data; tab cont; text; gemstone table; troy weights; pls; notes; blank p.

The first work is a general introduction to curious lore with remarks on amulets, the diamond, zircon, color in gems, birthstones, astrological gemstones, and sections on gems traditionally assigned to each of the signs of the zodiac. Presents much interesting material but no authorities are cited. The second work is essentially the same as that published in 1935.

6626. -----1940

Primer For | Beginners | In Gem Craft | A Pamphlet | Prepared expressly for | Amateurs and Students | [dot] | by H.L.Thomson [Los Angeles, 1940]

Centerstapled: 20, [2]p, includes front but not back cover; photo of rough & cut gemstones; 5 drawings called "plates" and with the photo handed down from the 1935 work; not numbered in sequence! Print wrap, cover title. 21.6 x 14.1 cm(8 1/2 x 5 1/2 in). Cut. JSL. Reprinted, post 1940, on non-glossy paper; 21.2 x 13.5 cm(8 3/8 x 5 3/8 in). Cut. JSL.

Cont: cover tp; publ data; pref; photo; text; list of dichroic gems; home workshop; principal stones of California by county; selected bk list; troy weights; poem "The Opal Miner's Dream" by Michael Wild; table of speeds; blank back cover.

Basically rewriting of information from previous publications of his, along with re-use of the illustrations.

6627. THOMSON, J J, LABORATORY, UNIVERSITY OF READING Abstracts of theses on the properties of diamond, 1954-1964. J.J.Thomson Physical Laboratory, University of Reading [Gt Brit; nd, 1965?]. Edgestapled: [2], 31 f; pale blue print wrap, cover title. 25.5 x 20.5 cm(10 x 8 in). Cut. Contains 12 abstracts, 42 citations of publs, f 28-31.

6628. THOMSON, JOHN PRENTISS

Ellensburg Blue | by | John Prentiss Thomson | Copyright 1961 by | John P.Thomson | For sale by author at E.904 17th, Spokane 35, Washington. | Price $1.25. Washington residents please add 5 cents sales tax. | Acme Printing Co. [union seal] Spokane, Washington

Centerstapled: 20 p; 4 photos, centerfold sketch map. Heavy white wrap, pale blue photo on cover with title. 19 x 13.3 cm(7 1/2 x 5 1/4 in). Cut. JSL.

"Ellensburg blue" refers to the blue chalcedony nodules & agates found NW of Ellensburg, WN. "This booklet will attempt to outline the origin of these remarkable agates and trace their rise in popularity," noting that his father was the first to "make commercial use of the... agate." Gives regional, local geology, origin of agate, erosion & release of nodules, collecting areas.

THORGERSEN, T, see BERGE, V & LANIER, H W, 1951

THORNDYKE, LYNN(1882-1965)

Historian, tchr of hist Western Reserve U (1909-24); prof Columbia U 1924-; wrote important historical treatises in addition to below.

6629. -----1923-1958 *A history of magic and experimental science*, 1923-1958, 8 vol. The first two volumes treat the first 13 centuries of the Christian Era and include comments on Pliny's *Natural history*, writings attributed to Orpheus, including the *Lithica*, a few remarks on gnostic gems, and a chapter devoted to Marbod, p 775-82 in first volume. The second volume contains comments on Hildegard of Bingen, and the lapidary ascribed to Aristotle. More on Pliny appears in the fourth volume, while volume six contains a chapter on the lore of gemstones, p 298-324, in which are discussed the works of Camillus Leonardus, Marbod, Stella, and others. Additional comments on lapidaries and treatises on gemstones in whole or in part may be found in volume seven, on mineralogy, p 241-71. Fleeting references to gemstones and magical stones occur elsewhere but are not listed here. The entire work is a storehouse of information that remains much referred to because of its survey of the enormous span of knowledge concerning its subject as applied to all manner of substances, including gemstones and minerals. Reprinted.

6630. -----1960 De lapidibus. *Ambix*, 8, 1960, 6-23. JSL. "This paper is in three parts. First are considered manuscript texts on twelve gems, then longer and usually alphabetical accounts which seem more or less related to the book on stones In *De natura rerum* of Thomas of Cantimpré, finally the *Lapidarius* composed for Wenzel II of Bohemia(1266-1305)." The first part examines MSS dating generally to the 11th-12th centuries, quoting excerpta in Latin, and providing comments and comparisons of subject matter. The second part treats lengthier contributions, noting that "verses containing gems found in later manuscripts are apt to be extracts from... Marbod." An MS, Vienna 407, contains a remarkable passage on polishing gems which Thorndike quotes extensively, p 16-7. In the second part are also three tables prepared by him, the first a comparative alphabetical list of gemstones taken from 3 MSS, a second comparing what is said on amethyst and chalcedony in several MSS, and the, third, similarly comparing statements on the alectorius in three MSS. The last part of this highly important paper briefly describes a 15th century MS of Berne that is entirely devoted to precious stones and physiognomy, written to honor Bohemian King Wenzel II. Thorndike notes that it also was printed at Merseburg in 1473 as *Lapidarius et liber de physonomia of Aristotle*, "it is an entirely different text from the *Lapidary* of Aristotle published by Julius Ruska at Heidelberg in 1912, which was perhaps the work of a Syrian acquainted with Greek and Persian sources."

6631. THORP, C G A contribution to the study of australites. Reprint from *West Australian Nat Hist & Sci Soc J*, 5, Perth, 1914, centerstapled, 26 p, pls 17-23(photos & fold diagrs). Print gray wrap, cover title.

Begins with a general discussion of the nature & origin of tektites and their types, including those found elsewhere than Australia, and distribution patterns of tektites, as well as other considerations. The plates include a folding map of Southwest Pacific regions showing tektite strewn fields. Photos depict various forms as australites, billitonites, and moldavites. The sketches include drawings that show aerodynamic shaping.

THUNBERG, CARL PETER(1743-1828)

Swed botanist/naturalist/ medical doctor; educ Upsala U where stud under Linnaeus; MD 1770; to Cape of Good Hope, Far East 1772-9; prof bot Upsala 1784. *Biogr Univ*, 84, 126-31; Pogg 2, 1103; Agassiz IV, 436.

6632. -----1784 Beskrifning på ön Ceilons mineralier och ädla stenar. *Kongl Vetenskaps Acad Nya Handlingar*, 5, for 1784, Stockholm, 1784, 70-81. JSL.

The first adequate description by a European of the gem minerals of Ceylon, with descriptions based on his collection of specimens made during a visit on his return trip from Japan to Sweden. The gemstones are corundums, amethyst, garnets, zircons, tourmalines, in rough & cut states, upon which he provides remarks on qualities, colors, native names, mining methods, cutting and numerous other details which provide an illuminating history of the gem industry then flourishing in Ceylon. The material of this article also appeared, nearly verbatim, in his collected travels, the first edition being *Resa uti Europa, Africa, Asia, förrättad åren 1770-1779*, in 4 volumes, Upsala, 1788-93, also in German, 1792-94, English, 1794-95, and French, 1794. In the English edition, remarks on the Ceylon gemstones and industry appear in volume four, p 215-32(JSL).

THUREAU-DANGIN, Fr, see DELAPORTE, L J, 1920

THURLOW, K, see MOSS, H M, 1974

6633. THURSTON, EDGAR(1855-)

Government Central Museum, Madras | [double rule] | Notes | On The | Pearl And Chank Fisheries | And | Marine Fauna Of The Gulf Of Manaar. | By | Edgar Thurston, C.M.Z.S., &c., | Superintendent, Government Central Museum. | [orn rule] | Madras: | Printed By The Superintendent, Govt.Press. | [rule] | [Price, Re. 1-4-0.] 1890.

Edgestapled: 116 p; front actual photo pasted-in + another photo pl; 4 litho pls; 2 sketch maps; fold diagr; 1 fig. One litho pl part col. Yellow wrap, cover title. 21.6 x 13.8 cm(8 1/2 x 5 1/2 in). Cut. USGS Kunz Coll, GS 34-815; ,JSL.

Cont: tp; photo pl; tab cont; text; correction slip p 78.

1 Tuticorin pearl fishery. 2 Pearls of *Mytilus* and *Placuna*. 3 Tuticorin chank fishery. 4 Ceylon pearl fishery, 5 Rámésvaram

Island. 6 Marine fauna of the Gulf of Manaar. 7 Inspection of Ceylon pearl banks. All are detailed; especially valuable are the articles on the Tuticorin and Ceylon fisheries which incorporate remarks on natural history and zoology of the mollusks and other inhabitants of the pearl banks, and also notes the fishing boats, natives and their customs, modes of work, results of fisheries, and some statistics. The chank mollusk is a non-nacreous spiral shellfish that has religious significance to the Hindus.

TIETZE, O, see DAMMER, B

al-TIFASCHI, see TEIFASCHE

6634. TIFFANY & COMPANY

Tiffany & Company, | Union Square, New York City, | Dealers In, Importers And Cutters Of Diamonds. | [orn rule] | Catalogue | Of The | Collection Of Rough Diamonds, | Now On Exhibition. | [orn rule] | 1885.

Centersewn: 22, [1], [1 blank]p; 16 fig. Pale gray wrap, cover title. 23 x 14.7 cm(9 1/8 x 5 3/4 in). Cut. JSL.

This collection, probably organized under the direction of G F Kunz, vice-president of Tiffany & Company, who also may have written the text of the catalog, was assembled from a large variety of crystals and aggregates as well as twin crystals. These are listed under several classes by catalog number, weight, descriptions, and remarks. Some are from Brazil, the rest from South Africa. The figures are of crystal forms of certain specimens in the collection. This collection may be the same as that formed by C Schmalz, of Paris, who published its descriptive catalog in French in 1884. For the firm's history see PURTELL,J , 1971.

6635. -----1887? Diamonds, pearls & precious stones taken from the collection known as The Crown Jewels [of France]. Tiffany & Co.... agents of the French Government, to further and assist in the sale of the Crown Jewels of France. New York: [1887?], 4°, [16]p. Not seen; BMC.

6636. -----1889

Catalogue Of | A Collection Of | Precious And Ornamental Stones | Of North America | Exhibited At The Paris Exposition, 1889 | By Tiffany & Co. | New-York | [orn] | New-York | The De Vinne Press | 1889

Centersewn: 31, [1]p. Thick, hand-laid tan paper wrap, deckled edges, title in red & black on cover. Ch orn. 22.4 x 14.7 cm(8 3/4 x 5 3/4 in). Uncut. JSL.

Probably written by G F Kunz; lists 382 specimens, including some of native gold, many crystallized, also gold & silver ornaments from Indian mounds, diamond crystals, precious metals other than gold, gem minerals as corundum, chrysoberyl, spinel, topaz, phenakite, quartz, emerald, beryl, garnet, tourmaline, zircon, spodumene, peridot, opal, rutilated quartz, other included quartzes, chalcedonies, feldspars, etc. Nos 353-82 are pearls and shell.

6637. -----1891

The Gold Vase | Illustrated And Described Herein Was | Specially Designed And Executed | For The American Cotton | Oil Company | And Presented To | Edward Dean Adams | As An Appropriate Testi- | Monial In Recognition | of His Services To | That Company | [orn] | The Following Are The Resolutions Adopted | In This Connection By The Board Of | Directors And Stockholders | In November MDCCCXCI [NY: Tiffany & Co, 1891]

4°: 31, [1], [2 blank]p. Although I have examined the copy in the G F Kunz Coll, USGS Library, the following collation of illustrations & text which seems to be more complete is taken from J M Cohen, New York, Cat 18, 11/87, no 128; 4 plates showing various sides of the vase; "Resolutions," 5 p; "The Adams Gold Vase as Designed and Executed By the Artist and Described By Him," 8 p(signed by the artist, Paulding Farnham); 6 hand-col pls of the flowers used in design of vase; 2 facsimiles of artist's original sketches; "The Description of the Adams Gold Vase...11 p; 13 photo pls of parts of vase and materials used in manufacture. Full black leather, gold vase & title on cover; dk gray-blue moire satin bd linings. 24.8 x 20 cm(9 7/8 x 8 in). Uncut.

Cont: 2 blank f; 1/2tp; 4 pls; tp; publ data; resolutions; vase description; description of manufacture, press logo; blank f.

This quite remarkable example of Tiffany workmanship in precious metal, presented to Adams as a token of friendship & appreciation for rescuing the company from a severe financial crisis, was deliberately designed to utilize United States gold and gemstones, around a motif of the cotton plant. California gold nuggets were melted down and "cleared of matrix," also used were gold-in-quartz from California, rock crystal from North Carolina, spessartine garnets from Amelia, Virginia, tourmaline from Mt Mica, Maine (shown in a part col photo), freshwater pearls, amethyst from Pennsylvania, and set upon a base made from Arizona petrified wood. Employed in the decoration: 24 spessartines, 10 amethysts, 116 tourmalines, 38 pearls, 18 pieces of cut rock crystal, and 4 large pieces of quartz. "A very small number of copies of this book appear to have been printed, all having been presented to Mr. Adams. For further information on this vase and this publication, see, *Nineteenth Century America: Furniture and Other Decorative Arts*, Metropolitan Museum of Art Exhibition Catalog 1970, item no.281."

6638. -----1899

Catalogue Of | The Tiffany & Company | Collection Of Jade | And | Rock Crystal | [orn] | Tiffany & Company | Union Square, N.Y. | MDCCCXCIX [title in single-rule frame; 1899]

8°: 87, [1]p. Pale tan, parchment-like paper, green lett & orn on cover; flaps fold inward to enclose an inner pale green wrap; a pair of flyleaves are tipped-in. The text paper thick, pale tan stock. 19 x 12.5 cm(7 1/2 x 5 in). Fe & be uncut. JSL,

Cont: tp; introd; cat of 247 items; logo.

"The collection consists of artistic pieces only, and does not include archaeological or tomb pieces, or those that ante-date the Ming period... included... are a few pieces of other hard stones such as Agate, etc.... to this collection is added the finest known sphere of "Rutilated Quartz," the largest perfect rock crystal ball cut from material found in the United States and a gigantic Coupe of North Carolina rock crystal and a splendid collection of rock crystal balls, large and small," Each item is fully described, and in the case of the jades, the motifs are identified, and colors stated as well, also if a carved stand is present. Dimensions and prices are stated, for example, the sphere of rutilated quartz was priced at $1,000.00 while a rock crystal sphere of 5 7/16 inches diameter at $3,000 and the rock crystal

coupe at $2,000. The catalog was written by G F Kunz but it is only in later issues that "George F.Kunz," in grayish-blue ink, appears on the titlepage, perhaps added by Kunz to copies distributed by himself. Summ G M Born, 322.

6639. -----1900

Catalogue | De La Collection | De | Pierres Précieuses | Pierres De Fantasie | Pierres D'Ornement | A L'État Naturel Et Taillées | D'Origine Étrangère | Exposées Par La Maison Tiffany & C° | Au Pavillon Tiffany | Palais Des Industries Diverses | Invalides | Exposition Universelle De 1900 | Tiffany Et C° | New-York [p 4, signed "G.F.K"]

8°: 46, [2 blank]p. Yellow-green print wrap, cover title. 28.4 x 19.4 cm(11 1/8 x 7 5/8 in). Uncut. LC 5-699. JSL.

Cont: tp; pref; catalog; blank f.

"The Tiffany-Morgan collection, formed in eight years by Tiffany & Co... contains all of the precious stones it is possible to obtain; the specimens ...[include]... crystals. .. rolled stones... cut stones." The catalog lists 711 specimens, among which are diamonds, corundums, alexandrites, chrysoberyls, and many others, also cryptocrystalline varieties of quartz, jades, and opals. Also included is a collection of Assyrian cylinder seals, p 44-6, dated from 4,000 to 1,000 BC. The wrap paper is perishing, but the pale tan, pressed text paper remains crisp. Very scarce.

6640. -----1900

Catalogue | De La Collection | De | Pierres Précieuses | Pierres De Fantaisie | Pierres D'Ornement | A L'État Naturel Et Taillées | Toutes Originaires Des États-Unis | Exposées Par La Maison Tiffany & C° | A La Section Minière Des États-Unis | Champ De Mars | Exposition Universelle De 1900 | Tiffany Et C° | New-York [introd signed "G.F.K."]

8°: 29, [3 blank]p. Pale tan, thick, ribbed-paper wrap; cover title. 22.5 x 13.7 cm(8 7/8 x 5 3/8 in). Uncut. USGS Kunz Coll, GS 34-430.

Cont: tp; introd; 3 blank p.

Compare with similar catalog above shown as a Morgan collection piece. Apparently this collection of United States rough & cut gemstones, assembled by Kunz, was sold soon thereafter to J P Morgan, who then exhibited it at Buffalo in 1901, and in 1903 in the Natural History Museum in Paris. Eventually the collection was donated to the American Museum of Natural History in New York City, where it still remains.

6641. -----1900

Collection | Of Pearls | and the Shells in which they are found | In The Brooks, Rivers, Lakes | And On The Coasts Of The United States | U.S. Section | Palais Des Forêts, Chasse Et Pêche | Exposition Universelle, Paris 1900 | Tiffany And Co. | New York - Paris - London [cover title only]

8°: [8]f. 19 x 12.75 cm(7 1/2 x 5 in). Pale tan paper. JSL.

Cont: title on cover only; blank p; introd; list of 95 items.

Includes freshwater pearls in many shapes & colors, with sources and weights, also "bogus" pearls, "hinge" pearls, pearls from Indian mounds, shells, conmon clam pearls & shells, conch pearls & shells, abalone pearls & shells, and shell wampum.

6642. -----1902

Catalogue | Of | Antique And Medieval | Gems | To Be Sold At The Marked | Prices By | Messrs. Tiffany & Co. | 11 to 15 Union Square | [orn] | March 10 to 16, 1902 | [orn] | For The Benefit Of The | Charity Organization Society | Of the City of New York | And The Provident Relief Fund

Edgestapled: [4], 132 p; tip-in photo front pl. Green, printed wrap. 19.5 x 13.2 cm(7 3/4 x 5 1/8 in). Te cut, others untrimmed. JSL.

Cont: front; tp; press data; note; catalog; list of officers.

P [3]: "we have had the collection catalogued by Mr.George N.Olcott, Professor of Roman Archaeology of Columbia University of New York City." The collection was formed by an anonymous donor "as a result of some thirty years research... [and]... who has resided abroad during that period." the catalog lists & briefly describes 1029 gems, some loose, some set in gold rings, both cameos & intaglios, and with prices. Specially interesting: a collection of the celebrated Poniatowski gems, preceded by a short dissertation on the Prince and his collection, p 111-32, nos 931-1029. "These one hundred gems... are, we believe, the only remnant of that famous collection which now exists in America." Very scarce.

6643. -----1904. Catalogue of the collection of the finest obtainable gem minerals in their natural state and cut examples, exposed by Tiffany & Company, New York, in the Mines Building... Louisiana Purchase Exposition, St,Louis, Mo. 1904. New York, Tiffany and Company, 1904. 2 p;, f, 2-5, 77 numb ff, 21 f. 27 1/2 cm. Description of collection signed: G.F.K. Mimeographed. Not seen, from USGS Kunz Coll, GS 34-653.

6644. TIKHOMIROVA, MARINA

Marina Tikhomirova | Litovskoe Zoloto | Vilnius [logo] 1973

"Khudozhnik Kastitis Skromanas," publ by Izdatelstvo "Vaga," Vilna, Lithuanian SSR; probably also publ in Lithuanian.

8°: 53, [3] p + [16]p on glossy paper + [16]p; front photo; 81 photos (24 in col on glossy paper). White paper over bds, black & gold lett on cover; dk blue endp. Col dj, photos on both sides. 19.5 x 16.6 cm(7 3/4 x 6 1/2 in). Cut. 96 k. Press run 50,000 copies. JSL.

Cont; 1/2tp; front; tp; front caption; 6 chs; ill list; ill sect; tab cont & publ data.

A popular work on "Lithuanian Gold," that is, Baltic amber. Topics: ancient & modern history of amber, its distribution throughout Europe and elsewhere in antiquity, archeological finds, cultural significance, lore, inclusions, fashioning, today's amber-carving industry in Lithuania. The illustrations mainly are of amber worked pieces, ranging from roughs to those with inclusions, then carvings, art objects, and jewelry of simple "abstract" designs in addition to pieces of more conventional patterns. None of the illustrations are good, including those in color.

6645. TILLANDER, HERBERT

Jalokiviopin | Perusteet | H.Tillander | Gemologi, Jalokivis-eppä

Priv publ: Helsinki, Suomalaisen Kirjallisuuden Seuran Kirjapainon Oy, 1946. "Tata kirjaa on painettu 400 numeroitua kappaletta N:o...", ie, "This book has been printed in 400 numbered examples..."

8°: [2], 116 p; 88 fig, 6 tabs(tab 5 shows cutting styles, 6 is printed in red & black on a tip-in glossy f and includ in pag); 4 Walter Wild watercolor pls on glossy f, cut-out & mounted on pale yellow, grained paper, bound in. Black, grained paper over

bds, black cloth on spine; gold lett cover & spine. 25.3 x 17.7 cm(10 x 7 in). Cut. JSL.

Cont: blank p; press run & copy no; 1/2tp; print data; tp; introd; 3 chs; index; biblio(p 116, 32 entries).

The author is a member of a long-standing family of jewelers of Helsinki, a gemological historian, and especially noted for his studies of the histories of famous diamonds. The present work appears to be the only substantial gemology ever published in Finnish, but unfortunately, only 400 copies were struck off with the result that it is very scarce, if not rare. The three chapters embrace theory & practise of gem-testing, prefaced by a table of birthstones, descriptions of gemstones and varieties in alphabetical order, and synthetic gems, with table, giving Finnish names, the names of gems they simulate, and the means of distinction. The first part includes a refractive index graph, a page of cutting styles, and a page of drawings of crystal systems with axes & planes shown in red. The second part contains small crystal figures scattered throughout descriptions of gemstones but is notable mainly for the fine Walter Wild color plates. These are the same as found in G O Wild *Praktikum der Edelsteinkunde*, 1936. Some small crystal drawings are printed upside down. The bibliography lacks dates, editions, and paginations. A handsome work.

6646. -----1965 Six centuries of diamond design. *J Gemm*, 9, 11, 1965, 380-401, 23 fig(photos & drawings); biblio p 401, 41 entries. JSL.

Traces the development of faceting in various patterns or "cuts." Examples shown in text to illustrate how proportions changed according to the dictates of taste, and later, as scientific knowledge showed that certain proportions were better for improving brilliance. Essentially tha same article printed as "Slebne diamanter - 600 års design," *Guldsmedebladet*, nr 12, 1965, and same in reprint of 10 p; further as "Sechs Jahrhunderte Diamantbearbeitung," *Deutsche Goldschmiede-Zeitung*, 3, 1966 (and also reprint of 10 p), a reprint of 19 p from *G & G*, 12, 3, 1966, p 77-94, and in *Diamant*, Bruxelles) 78, 80, 1965-66, 24 p, ill, in Engl, Flemish, Fr(not seen).

6647. -----1965 [Smyckeskrinet]. [Japan, 1965]. 37 p, ill. Publ by the Gemmological Assoc of Japan in Japanese, Finnish, Swedish, English; a work on inclusions in diamond. Not seen.

6648. -----1975 The "Hope" diamond and its lineage. A challenge for further research, presented at the 15th International Gemmological Conference held at the Smithsonian Institution [Washington, D C], October 1975. Herbert Tillander, CG, FGA, Diamond Historian of Helsinki, Finland. [Priv publ, Helsinki, 1975]. Centerstapled: [1], [1 blank], 12, [1], [1]p; 18 ill. 29.7 x 21 cm(11 3/4 x 8 1/4 in). Cut. JSL.

Searched the literature to trace the Hope from the earliest mention by Tavernier of his "Blue" diamond of India, the presumed stone from which the Hope was cut. Fine illustrations taken from various historical sources but also from models of the Tavernier Blue and the Hope. References.

TILLANDER, H, see FABERGÉ; also LEGRAND, J

TILLANDER-GODENHEIM, U, see FABERGÉ

6649. TIMOFEEV, V M Khaltsedoniy Ostrova Suisari, *Trudy Imperatorskago Sankt- Peterburgskogo Obshchestva Estestvoispytatelei, Otdelenie Geol i Min*, 35, 5, 1912, 157-74. Chalcedony from the Island of Suisari. Not seen.

6650. -----1920 Mramory Olonetskogo kraya. Materialy dlya Izucheniyu Estestvoispytatelei Proizvodstvennoy sil Rossii. *Izdanii Komissii Pri Rossiskoy Akademiya Nauk*, 37, Petrograd, 1920, 91 p. On the marbles of the Olonets region. Not seen.

6651. TINNEFELD, NORA Von Zauber edler Steine, Stimmen der Dichter zum Lobe edler Gesteins, gesammelt von Nora Tinnefeld. Rechlinghausen: Verlag Bitter & Co., 1347, pag not stated, 4 pls(2 col). Not seen, from rev in *Achat*, 2, 7/8, 1949, p 325: "A small booklet, containing poems of older and newer [German] poets. The main piece is "Die Monatssteine" by Theodor Körner. The "Abendgesprach der Ehegatten über die Kristalle" by Vilma Sturm is indispensible."

6652. TIQUET, FRANÇOIS

Korte | Onderrigting En Leer, | Van Zeer Fraaye | Geheymen. | Diverse Edel-Gesteentens daar men de | Natuur in de Steenen vind of ziet, | na te Bootzen, als Lapis La- | Zuli, Jaspis, Agaat, | Porphir, &c. | Zeer dienstig omme Huyzen, Kamers, als | Buiten-plaatse te vercieren. | Item | Transparante of doorzigtige Steene te maaken, on- | der het Glas te brengen, tot Tafels, Spiegels, | Lysten, Gueridons, Doozen, &c. | Als Ook | Verscheide heerlyke Vernissen en kostbaare Verf- | ven; zeer nut voor Koetze Schilders, en | Beeldhouwers, omme extra ordinair | fraay to Vergulden. | Uytgevonden, en voor de Liefhebbers in 't Ligt | gegeeven, | Door | François Tiquet, | Mr. Mignatuur Schilder, van de Confrerie en Aca- | demie van St.Lucas te Parys, Als meede Mig- | natuur Schilder van de Koninginne van Vrankryk. | [orn] | Antwerpen, | By Philippus Van Overbeken, | in de goed koop Drukkery 1741

8°: 101, [7]p; A-F^8, G^6. Orn init; tailpc. 16.3 x 10.1 cm(6 12/2 x 4 in). Uncut. USGS Kunz Coll, GS 34-431.

Cont: tp; text; note; tab cont.

A book of "secrets," that is, recipes of all kinds, including much on the coloration, repair, and staining of stones, making imitation gemstones and transparent glasses imitating gemstones, among others.

6653. TITOV, A G

Zlatoustovskoe Obshchestvo Kraevedeniya I Gosudarstven- | Nye Ilmenskie Mineralogicheskie Zapovednikh. | [double rule] | A.Titov | Opyt Mineralogii Ilmenskikh Gor | Vypusk Pervyi | Izdanne Zlatoustovskogo Obshchestva Kraevedeniya. | [rule] | Zlatoust. 1928 G. [cover title only]

Edgestapled: 67, [1]p; 29 fig(several photos; mainly crystal drawings); fold locality topo map of Ilmen Mts tip-in at end(44 x 35.5 cm). Pale gray-green wrap, cover title. 23.4 x 15.7 cm(9 1/4 x 6 1/4 in). Cut. 1 r, 50 k. Errata slip. JSL.

On the minerals of the Ilmen Mountains, USSR; includes the gemstones quartz, corundum, amazonite, beryl and topaz. Localities shown on map.

6654. TITOV, V Zametki o mestorozhdeniyakh tsvetnykh kamnei i solyanykh Nerchinskogo kraya. *Gornyi Zhurnal*, 2, 1855, 417-93. On the gemstones of the Salt Lakes region of Nerchinsk, Transbaikalia. Not seen.

6655. TÔCHON D'ANNECY, JOSEPH FRANÇOIS(1772-1820) Dissertation sur l'inscription grecque IACONOC AYKION, et sur les pierres antiques qui servaient de cachets aus medicins oculistes, par Tôchon d'Anneci... Paris, L. G. Michaud, 1816, 73, [1]p, 3 col pls(includ front). 27 cm. Not seen, from USGS Kunz Coll, GS 34-877. The author was a Fr antiquary besides being a jurist & Dr of Laws, in Turin. *Biogr Univ*, 46, 189-91.

TOFANI, G, see BERGMANN, T, 1787, 1780

TOLANSKY, SAMUEL (1907-1973)

Brit physicist; PhD Newcastle U 1931, PhD U of London 1934; DSc U of Manchester 1940; prof physics & dept head Royal Holloway Coll, London U, 1946-; FRS 1952; Boys Medal in physics, many other awards, honors; devised multiple-beam interferometry apparatus. Obit *J Gemm*, 13, 6, 1973, 242-4.

6656. -----1955

The | Microstructures | Of | Diamond Surfaces | by | S.Tolansky, Ph.D., D.Sc., F.R.S. | Professor of Physics in the University of London | (Royal Holloway College) | Egham | N.A.G. Press Ltd., London, W.6. [1955]

In error, "N.6" the postal zone appeared in early copies; this was corrected by removal of offending tp and substituting the tp shown above.

8°: viii, 67, [1]p; 9 fig; 143 photos on 31 mostly bound-in glossy f, each f part-margined in yellow. Tan cloth, blue title on cover & spine. Diamond surface photo on dj; resume, vita, portr. 22.8 x 14.2 cm(9 x 5 5/8 in). Cut. 40s net. JSL; LC 56-58419.

Cont: 1/2tp; tp; publ data; pref; tab cont; 9 chs; biblio; advert.

The first chapter introduces the diamond as found in nature and discusses some of its properties, including much on the character of the natural faces and those produced by cleavage. The remaining chapters describe the optical apparatus and the techniques of interferometry to photograph the surfaces at high magnification and to describe the features thus revealed. A large number of crystals were used and surfaces thereupon shown beautifully in the many clear photographs which depict not only surfaces of normal diamonds but also those displaying evidence of growth discontinuities, features attributable to etching, and to cleavage. The last three chapters explain in detail the methods and techniques, for which the author is largely credited. Rev P Grodzinski, *The Gemm*, 25, 296, 1956, 44-5; *J Gemm* 5, 5, 1956, 270; *G & G*, 8, 8, 1955-56, 242-9. Further, a highly technical rev by R M Denning, *Amer Min*, 41, 5/6, 1956, 533-4,

6657. -----1960

Surface | Microtopography | S.Tolansky, D.Sc., F.R.S, | Professor of Physics, London University | Longmans [London: Longmans, Green And Co Ltd, 1960]

8°: viii, 296 p; 31 figs; 359 "plates" which are actually text photos. Dull green, unfin cloth, gilt spine title. Col dj, resume, vita, advert. 22.1 x 14.8 cm(8 3/4 x 5 3/4 in). Cut. JSL.LC 60-14000.

Cont: 1/2tp; other bks of author; tp; publ data; tab cont; pref; 7 parts(23 chs); append; addendum; biblio; index.

Excellent, lavishly illustrated, intriguing study of the surfaces of minerals, metals, and gemstones as revealed by the author's application of multiple-beam interferometry. He discusses theory & practise, then the results as shown upon natural diamonds and quartz crystals in Chs 6,7, on etched diamonds, Ch 9, on diamond cleavages, Ch 11(among others), percussion cracks, Ch 19, with much on diamonds, polished & sawn diamond surfaces, Ch 22, and wear of glazier's diamonds in Ch 23.

An almost identical issue in New York by Interscience Publishers Inc., LC 60-14000.

6658. -----1961 Folklore and history of diamond. *The Gemm*, 30, 1961, 155-58; 362, 167-70(ill); 364, 205-10(ill); 365, 232-5. JSL.

6659. -----1962

The | History | And Use | Of | Diamond | By S.Tolansky | F.R.S., D.Sc., Ph.D. | University of London | London | Methuen & Co Ltd | 36 Essex Street · WC2 [title in blue & black; 1962]

8°; 166:, [2 blank]p; tip-in photo front pl; 22 other photos on 7 tip-in f; 11 fig. Pale gray cloth, silver title on black panels on spine. Col dj, resume, other publ bks. 20.8 x 15.5 cm(8 1/4 x 6 1/8 in). Cut. Te stained pale blue. 30 s net. JSL.

Cont: 1/2tp; front; tp; publ data & caption; tab cont; ackn; ill list; pref; 10 chs; biblio(p 159-60, 20 entries); index; blank f.

An excellent work which places greatest emphasis on matters most familiar to its author, namely, properties of diamond, cutting, industrial diamonds, and synthesis. It begins with the early history of the diamond, then turns to a discussion of properties, especially some that were recently discovered. The next two chapters are on technology of cutting and development of cutting styles traced back to antiquity. Complementary to these chapters is another on costume and its influence on use of diamonds in personal adornment. Brief histories are given of some famous diamonds and including large specimens from Brazil and engraved India diamonds. Other chapters treat occurrences and mining, industrial diamonds and applications, and history of synthesis of diamond. All of it is written in an easy, informal style that promotes maximum understanding in the untutored reader. Rev *J Gemm*, 9, 1, 1963, 20; *The Gemm* (actually as a section in *The Horologist*, London) Feb 1963, 78.

6660. -----1965 Synthetische Diamanten: Wachstums- und Ätzphänomene. *Zs Dt Ges Edelsteink*, 53, 1965, p 34 ff(16 p), ill; not seen.

6661. -----1968

S.Tolansky D.Sc., F.R.S. | Professor of Physics, London University | The Strategic Diamond | [rule] | Oliver & Boyd Edinburgh [1968]

"Contemporary Science Paperbacks 26"

Cementb: vi, [1], [1 blank], 119, [1 blank]p; 18 fig; tab. Black paper wrap; red & white title on cover + photo of diamond crystals; similar lett on spine, back cover, with resume. 18.1 x 11 cm(7 1/8 x 4 3/8 in). Cut. 7/6 UK only. ISBN 05 001751 9. JSL.

Cont: ser tp; tp; publ data; pref; tab cont; 13 chs; append; index; blank p.

"It is a prime purpose of ours to show here the absolute dependence on diamond of all the great mass-production engineering lines in our civilization." Accordingly this small but succinct non-technical work describes properties of diamond, origin, occurrences, uses in the past, cutting, and modern uses in

industry and technology. This is followed by short chapters on mining and marketing, synthesis, and some future applications. Rev *J Gemm*, 11, 7, 1967, 271.

TOLANSKY, S, see BRUTON, E, 1983; also GREENE, P

TÖLKEN, or TOELKEN, ERNST HEINRICH(1785-1869)

Ger archeol; prof U Berlin 1823; dir Cabinet of Antiquities, Berlin 1832.

6662. -----1835 Erklärendes Verzeichniss der antiken vertieft geschnittenen Steine der Königlich Preussischen Gemmensammlung. Berlin: Gedruckt in der Druckerei der Königlichen Akademie der Wissenschaften, 1835. 8°: lxviii, 462 p.

The cabinet contained 3640 gems, ordered according to the subject arrangement devised by J J Winckelmann (see his works below), but Tölken was the first to undertake the separation of Etruscan scarabs and works of older Greek style. On good grounds he disputed the thoughts and opinions of the St Petersburg scholar H K E Köhler on many of the Stosch gems which Köhler questioned as well as K's aspersions as to the integrity of Stosch (see further, A Furtwängler, *Die antiken Gemmen*, 3, 429). See also comments of Zazoffs, *Gemmensammler*, 186. Vinet, 1656; Goodland, 608; Henkel, *Römischen Fingerringe*, 1, 356.

6663. TOLKOWSKY, MARCEL

Diamond Design | A Study Of The Reflection | And Refraction Of Light In | A Diamond | By | Marcel Tolkowsky | B.Sc., A.C.G.I. | With 37 Illustrations | [logo] | London: | E. & F.N.Spon, Ltd., 57 Haymarket, S.W.1 | New York: | Spon & Chamberlain, 120 Liberty Street | 1919

8°: [1 blank]f + [1], [1 blank], 104 p (the first 2 f are conjugate & supplied); 37 fig(Fig 35, fold, tip-in); 2 tab. Dk blue cloth, blind frame on cover enclosing gold title; gold spine title. 18.1 x 12.3 cm(7 1/8 x 4 7/8 in). Cut. LC 31-13446. JSL.

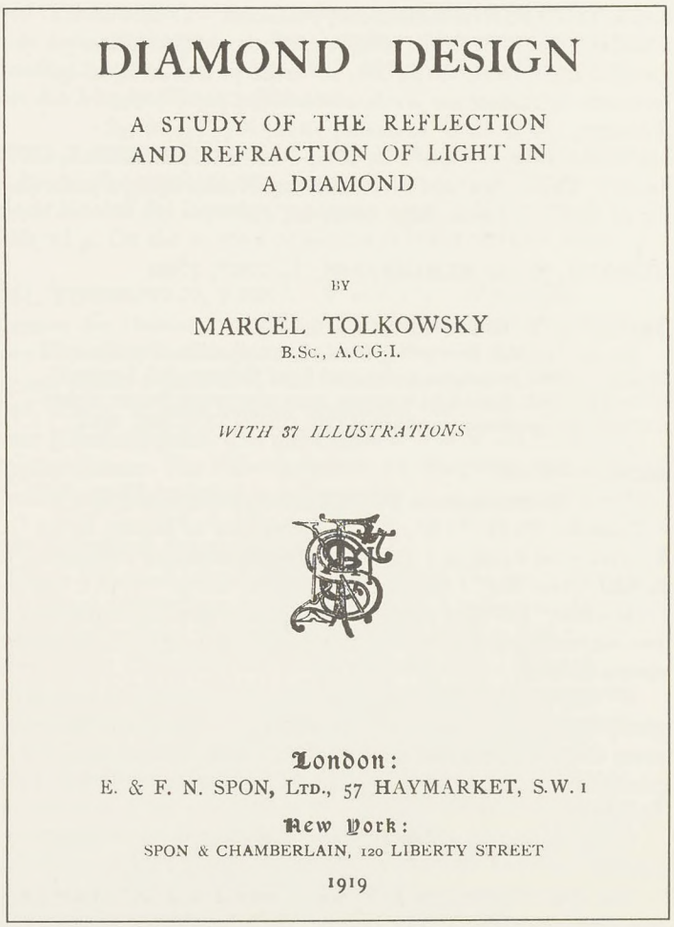
Cont: blank f; 1/2tp; tp; tab cont; introd; 3 parts,

This is the first treatise to establish a mathematical basis for the cutting of diamond faceted gems. In the first part, Tolkowsky discusses the developmental history of diamond cutting from presumed India origins into the modern era. The second part treats optics of brilliant-cut gems and basic phenomena which provide brilliant reflections. However, the real substance is in the third part where Tolkowsky demonstrates light paths in rose-cut and brilliant-cut gems, and shows how only certain angles of facet inclination can insure production of maximum brilliance. The final section in this part contains his recommended angles and proportions for brilliants, which, with minor modifications, remain the standard. A classic in lapidary work and now quite rare.

TOLL or TOLLIUS, ADRIAN, see BOODT, ANSELM BOETIUS DE, 1636, 1644, 1647

6664. TOLSTOPIATOV, M Sur les inclusions dans les topazes de l'Oural et de la Saxe. *Verhandl Russ-Kaiserl Mineralogischen Ges zu St Petersburg*, ser 2, 33, 1895, 289-306, Pl 8(fold). JSL.

Notes arrangement of tourmaline crystals in host topazes from the Ilmen Mts, their character, and possible mutual growth interferences as evident in examples shown upon the large,



DIAMOND DESIGN

A STUDY OF THE REFLECTION AND REFRACTION OF LIGHT IN A DIAMOND

BY

MARCEL TOLKOWSKY

B.Sc., A.C.G.I.

WITH 37 ILLUSTRATIONS

London:

E. & F. N. SPON, Ltd., 57 HAYMARKET, S.W. 1

New York:

SPON & CHAMBERLAIN, 120 LIBERTY STREET

1919

6663. A small book with large results because of examining reflections inside faceted diamonds and establishing criteria for correct proportions required to achieve maximum brilliance

folding plate. Remarks also on similar phenomena in topaz crystals from Saxony and Brazil.

6665. TOM, M Diamond polishing. The Sapin Works Ltd., 67 Hatton Garden, London, E.C.1. No date, ca 1943. Center-stapled: 17, [1 blank]p, with over 50 sketches, in pale grayish-green paper wrap, cover title. 25.4 x 20.2 cm(10 x 8 in). Cut. Explains in simple terms and with the many illustrations the steps in production of a brilliant-cut diamond from a rough crystal.

TOMLINSON, Mrs CHARLES

Nee Sarah Windsor, wife of Brit nat scientist Charles T (1808-1897), noted for his many popular works in physical sciences, an encyclopedia of technology, and various discoveries in physics. Allibone, vol 3.

6666. -----185-?

First Steps | In | General Knowledge. | By Mrs. Charles Tomlinson. | Part V. | The Mineral Kingdom. | [rule] | Published Under The Direction Of | The Committee Of General Literature And Education, | Appointed By The Society For Promoting | Christian Knowledge. | [rule] | London: | Society

For Promoting Christian Knowledge; | Northumberland Avenue, Charing Cross; | 4, Royal Exchange; 48, Piccadilly. | [rule] | New York: Pott, Young, & Co.

8°: iv, 198, [6]p; 72 wood engrav. Terra cotta cloth, blind frames both covers; gold lett front cover, spine plain. Pale yellow endp. 13.3 x 10.3 cm(5 1/4 x 4 in). Cut. JSL.

Cont: tp; publ data; tab cont; 12 chs; other ser bks; publs of the Soc.

An elementary work on mineralogy, stressing economic mineralogy, and written in the then-popular form of a series of "conversations" between a knowledgeable father and his daughter and two sons. The first chapters deal with mineralogy and crystallography, followed by several chapters on the minerals themselves, among which are Ch 3, a discussion of diamond, p 30-47, passim, also Chs 6-7, p 77-93, passim on quartz and its varieties, and other gemstones as corundum, feldspar, garnet, tourmaline, topaz, lapis lazuli, and emerald in Ch 8. The remaining chapters treat the metals. Some crystal drawings are misoriented, but others, of mineral specimens, are detailed, accurate, and attractive. The information is reliable.

6667. TOQUE Mines de turquoises de Nishapour, Province de Khoraçan(Perse). *Ann des Mines*, Paris, 13, 1888, 563-77. Not seen.

6668. TORNY, ALEXANDER

Alexander Torny | Sterne Im Sand | Digger, Durst Und Diamanten | 1958 | C.Bertelsmann Verlag [Gütersloh, West Germany]

8°: 282, [1], [1 blank], [3], [1 blank] p; 39 photos on 8 bound-in glossy f. Bright orange cloth, rough diamond crystals in white & black on cover; white & orange on b&w bands on spine. Col dj, resume, adverts. Endp maps of travel routes in S Africa. 18.8 x 11.8 cm(7 3/8 x 4 5/8 in). Cut. Te stained pale yellow. Press run 10,000. JSL.

Cont: logo; tp; publ data; fwd; 19 chs; gloss; index; blank p.

Factual stories, based on the adventures of prospector-explorer Lutz Verneck and friend Quaddy, as they search for diamonds in Africa. In the recounting, almost all diamond knowledge is covered as history, mining, famous diamonds, the South African deposits, those in South West Africa, also in Siberia, the diamond trade, etc. The reading is easy and the text liberally sprinkled with exciting episodes as well as tidbits of useful knowledge.

6669. TORREND, P CAMILLO, SJ Pela terra diamantina; o garimpeiro ou explorador dos diamantes, industria diamantina; origem e rocha matriz dos diamantes. *Bahia, Brazil, Secretaria de Agricultura, Industria, Commercio, Viação e Obras Publicas, Boletim* Nos 4-9, 1925(1926), 14-31, pls. 8°. Not seen, from Iglesias y Meneghezzi, 1959, 291; also LC.

TOTTEN, CHARLES ADIEL LEWIS, see ALCOTT, TEN

TOUCHÉ-SKADDING, Baron RICHARD J H DE

According to a publicity brochure issued by a Boston firm selling the baron's services as lecturer, and possibly also his "fire pearls," the author descended from an old French family but was born in Riga, Latvia, and served in the diplomatic corps of that country; he also traveled in the Far East and represented American industrial interests; mbr Roy Asiatic Soc; resided 27 yrs in Asia, amassing collection of art & ethnographical objects, including the tektites mentioned below. See biogr notes in *R & M*, 22, 7, 1947, 603-9, 632.

6670. -----1946

Agni Mani | (The Fire Pearl) | Conclusive Historical, Mineralogical and Ethnographi- | cal data on this ancient meteoric jewel. | With a chapter on traditional beliefs and their justi- | fication by Cosmic Radiation and Interplanetary Elec- | tromagnetism. | By Baron R.J. de Touché-Skadding |...[7 red dots, each followed by a contents summ]...| Price: 5 Rupees [Title in red & black, from cover; Bombay, 1946]

Centerstapled: [1], [1 blank], 26 p; 10 glossy bound-in f of ill & testimonial ltrs. Pale gray print wrap. 24.8 x 19 cm(9 3/4 x 7 1/2 in). JSL.

Cont: testimonial ltr from Louis Montbatten; pref; introd; text interleaved with the glossy f, the last with testimonial ltr from His Highness the Juvraj of Morvi State, Kathiawar, India.

A compilation of so-called "research" articles and conclusions of the author concerning the tektites of South East Asia, particularly those from the island of Billiton, Java ("billitonites"). These are called "agni mani," in Sanskrit, literally "fire rocks," but more palatably labeled "fire pearls" by the author in reference to their rounded shapes. Most of the sensationally presented information concerns curious lore, superstition, and a little scientific information that is grossly distorted. Touché-Skadding appears to firmly believe in the magical powers of the tektites which he claims to be excessively rare although in the last several decades these have appeared in the mineral market in kilogram wholesale lots. The most valuable feature of this work is the material on curious lore which the author accumulated during his travels. This work is now rare.

6671. TOUCHÉ-SKADDING, R J H DE & CARLOVA, JOHN

Fire Pearl | [3 rules] | Richard J.H. de Touché-Skadding | with John Carlova | Ballantine Books · New York [1966]

Cementb: 192 p; stiff glossy black wrap, title in ornate yellow lett & other information in white lett, with erroneous artist's conception of tektite; back cover resume. 17.8 x 10.7 cm(7 x 4 1/8 in). Cut. JSL.

Cont: quot; tp; publ data; introd; 18 chs.

Also written in sensational style and capturing the romance of the Far East but with so many adventurous incidents that one's credulity is challenged. It is only in the final chapter that the author learns, in 1939, and then quite by accident, that the island of Billiton is the source of the tektites. An expedition organized by himself proceeds there and does find some of the stones. A publicity brochure provided sometime in the 1950's by The Mosher Press, Boston, indicated that a book by our author, entitled *Mystic Agni Mani*, was due to be published and solicited subscriptions at $5.00 per copy; I have found no evidence that this book ever appeared. Reviewed, with reservations, by R Webster, *The Gemm*, 25, 298, 1956, 88-92, with extensive quoting from another article concerning the book.

6672. TOWNSEND, EARL C, Jr.

Birdstones | of the North American Indian | [orn] | A Study of these most interesting stone forms, the area of | their distribution, their cultural provenience, possible uses | and antiquity | by | Earl C.Townshend, Jr. | [orn] | Illustrated | Privately

Townsend, Charles H.
Report Upon the Pearl Fishery of the Gulf of California/
Bull. U.S Fish Commission IX (1889); pp 91-94
/JSL/ in Reprint File under
Pearls Mexico

Printed. Indianapolis, Indiana | 1959

8°: x, [4], 719, [3 blank]p; 297 b&w photo pls; one unnumb photo; 12 col photo pls tip-in(one is front) not includ in pag. Pale yellow, mottled, plasticized cloth over bds, green title on spine; green ills & title on front. Pale tan endp. 27.3 x 19.6 cm(10 3/4 x 7 3/4 in). JSL.

P[ii]: "Of this book seven hundred copies have been printed of which this is number ___19__"; signed by author.

Cont: 1/2tp; note; front; tp; copyright; dedic; pref; tab cont; text tp; 2 parts; ackn; biblio(p 705, 201 entries); index; 3 blank p.

Carefully researched and written monograph, with corresponding quality in design and binding, on smoothed or polished stone objects manufactured by American Indians whose forms more or less resemble stylized sitting birds, hence their name. What they actually represent or signify is not known. The stones are mainly sedimentaries and porphyries, apparently confined to these types because of the areas in which these artifacts are found contain little else in the way of material amenable to lapidary treatment.

TOWNSHEND, I J, see BARNES, L C, 1982

TOWNSHEND, C H, see CHURCH, A H, 1882

6673. TRAILL, GEORGE WILLIAM(1836-1897)

An | Elementany Treatise | On | Quartz And Opal, | Including Their Varieties; | With A Notice Of The Principal Foreign And British | Localities In Which They Occur. | By | George William Traill, F.G.S.E., | Edinburgh. | Edinburgh: | Maclachlan & Stewart, 64 South Bridge. | Booksellers To The University. | London: Simpkin, Marshall, And Co. | MDCCCLXVII. [1867]

4°: viii, [4], 49, [1], [2 blank]p; litho pl tip-in. Brownish-purple cloth, elaborate blind frame on covers; gold title on front & spine. Bev edges. Brown, semi-glossy endp. 19.5 x 14.8 cm(7 5/8 x 5 7/8 in). Cut. JSL.

Cont: 1/2tp; tp; print data; dedic; subscriber list; pref; biblio & errata; text; index; print data; advert(for B M Wright, mineral dealer); blank p.

This highly interesting and pioneering work in respect to its attempt to popularly treat silica minerals, contains mineralogical descriptions and chemical compositions for numerous varieties of quartz and opal, with notes of typical specimens and their localities, emphasizing those in the British Isles and Europe. The plate depicts idealized and natural quartz crystals. Gem varieties are included. Very scarce.

6674. -----1870, new edit

An | Elementary Treatise | On | Quartz And Opal, |...| George William Traill. | [rule] | New Edition, Greatly Enlarged. | [rule] | Edinburgh: | Maclachlan & Stewart, 64 South Bridge, | Booksellers To The University. | London: Simpkin, Marshall, And Co. | MDCCCLXX. [1870]

4°: xiv (first 2 p blank), [1], [1 blank], 73, [1 blank], [3 advert], [1 blank]p; tip-in litho pl. Same cloth, but now with plain blind border rules, and with "New Edition," etc. stamped in gold on cover in addition to title; gold spine title. Grayish-brown endp. 19.5 x 14.5 cm (7 5/8 x 5 5/8 in). Cut. Ae stained red. JSL. USGS Kunz Coll, GS 34-275.

Cont: blank f; 1/2tp; tp; dedic; prefs; biblio(30 entries); text tp; text; index; blank p; adverts; blank p.

The list of subscribers is omitted; bibliography almost doubled; errata omitted; adds text title; enlarged index and tp to adverts by mineral dealers B M Wright and J R Gregory added. The text is almost entirely rewritten and expanded with new information and property data, making the work considerably more valuable.

6675. TRAILL, R J A catalogue of Canadian minerals. *Geol Survey Canada Paper* 69-45, Ottawa, 1970. 8°: cementb: 649, [5]p, the last being blank save for "Notes" printed at top. Thick, pale gray wrap, title on cover & spine. White endp. 24.7 x 16.4 cm(9 3/4 x 6 1/2 in). Cut. $5.00. Catalogue No M44-69-45. Reprint 1972 @ $6.75. JSL.

Information compiled from many sources which in whole or part concern Canada's minerals. Includes: formulas, physical & other property data as appropriate, X-ray lines, etc, with minerals arranged in alphabetical order, with occurrences under each & references. There is an index. Considerable material on gemstones.

6676. -----1974, Suppl I. A catalogue... Supplement I. *Geol Survey Canada Paper* 73-22, Ottawa, 1974. 8°: edgestapled: [2], 260, [2 blank]p. Similar wrap & size. $5.00. Cat No M44-73-22. JSL.

6677. -----1983, rev *Geol Survey Canada Paper* 80-18, 1983. Print wrap: 432 p; large fold tinted map; now 27.8 x 21.5 cm(11 x 8 1/2 in). Cut.

6678. TRAITÉ ABRÉGÉ DES PIERRES FINES

Traité Abrégé | Des | Pierres Fines, | Ou | Production | De la Nature des Indes Orientales | & Occidentales; | Suivi de Calculs & Opérations | d'Alliage sur les Matieres d'Or | & d'Argent. | [orn] | A Paris, | Chez N.F.Valleyre le Jeune, | Imprimeur Libraire, rue de la vielle | Bouclerie, à la Minerve. | [double rule] | M.DCC.LXIX. | Avec Approbation & Privilege du Roi. [1769]

12°: xij, 140, [12]p; a^{12}, B-F^{12}, G^{10}. Blue-gray paper over bds as issued, print spine label. 15.5 x 8.8 cm(6 1/8 x 3 /1/2 in). Untrimmed. Dewalque 508; JSL.

Cont: tp; blank p; pref; text; notes; names of cities & code letters for same; tab cont; approb & priv.

Primarily this small work is a practical guide to gemstones and precious metals for the benefit of "young masters and apprentices" in the jewelry and goldsmith professions. The text begins with short articles on diamond, sapphire, topaz, ruby, etc, passing through the usual species and varieties of value into those that are considerably cheaper and including the pearl, coral and amber. Of special interest historically, are prices then current in rixdalers for rough Indian diamonds, rose-cuts, etc, and including Tavernier's table of prices for rose-cuts and two others of prices realized in Hamburg and Amsterdam (p 51-9). All values are based on a standard price for one carat gems. The remainder of the text explains weights and values of the precious metals and alloys, and the calculations needed to ascertain prices. A rare work, unfortunately without hint of an author, except that the preface suggests he was a goldsmith in Paris at the time of writing. In this regard, Marlborough Rare Books, London, Cat 37, 1980, p 78, places this work under "CAVEROI."

TRANSFORMATIONS, A GUIDE, etc, see WITTI, FRITZ

6679. TRAPP, G J, et al

The German Industrial Diamond Industry | Reported by: | G.J.Trapp M.O.S. (Leader) | R.P.Eccles" | P.Grodzinski " | H.E.Jones " | R.E.Leeds " | N.Robinson " | N.R.Smith " | D.B.Vallance " | BIOS Trip No.1783. February, 1946. | Bios Target Nos:- | See Table of Contents. | CIOS Black List Item No.21. | Metallurgy | British Intelligence Objectives Sub-Committee, | 32 Bryanston Square, London, W.1. [nd, 1947?]

Wrap: "B.I.O.S. Final Report No.1448 | Item No.21 |...| London- H.M. Stationery Office | Price 17s. 6d. net |..."

Edgestapled: 166, [2 blank]p; many photos, drawings, diagrs, graphs. Pale green wrap, black lett. Cover title in black. 24.8 x 18.7 cm(9 3/4 x 7 3/8 in). Cut. Reproduced from typescript.

Cont: tp; tab cont; summ; 26 arts; appends; blank f.

The intelligence team visited and investigated German industrial diamond manufacturing facilities, reporting on operations, machinery, techniques, diamond powders, saws, grinding wheels, shaped tools, hardness testers, glazier's diamonds, and other applications which employ diamond in some form or other.

6680. TRAUB, LOUIS

The Celebrated Case | of [orn rule] | The | United States Of America | Against | The Coetermans-Heinrichs-Keck | Diamond Cutting Co. | Et Al, | [rule] | Reported By Louis Traub. | [rule] | 1896 | Published By Cohen & Co. | Cincinnati, O., U.S.A.

8°: edgesewn: 46, [2 blank] p; pale green wrap, cover title, 23 x 15 cm(9 x 6 in). Cut. USGS Kunz Coll.

Cont: tp; tab cont; reporter's summ; 2 arguments; charge of Judge Hammond; blank f.

The suits charged that the company violated the Contract Labor Law but the jury returned a not guilty verdict. "The trial... involved the history of diamond cutting in the world, its extent in foreign countries, its inception in America... [etc]."

6681. TRAUBE, HERMAN(1860-1913) Ueber den Nephrit von Jordansmühl in Schlesien. *N Jb Min*, B-Bd 3, H 2, 1884, 412-27; also separate. JSL. First full mineralogical description of the nephrite occurrence near Jordanova, Dolny Ślask, Poland, formerly German Silesia. Biogr details of author in *Min Mag*, 17, 1914, 121.

6682. -----1888

Die Minerale Schlesiens. | [wavy rule] | Von | H.Traube, | Privatdocent an der Universität Kiel. | [wavy rule] | Mit 30 Zinkographieen. | [orn] | Breslau 1888. | J.U.Kern's Verlag | (Max Müller).

8°: XVI, 285, [1], [2 advert]p; 30 crystal drawings, 22 x 14.8 cm (8 3/4 x 5 3/4 in). Cropped(?). JSL.

Describes in considerable detail and with remarks on crystallography the minerals of Silesia in alphabetical order, and including gemstones of alluvial amber, agate, carnelian, chrysoprase, jasper, flint, chert, turquoise(?), nephrite, opal, amethyst, aventurine quartz, rock crystals, smoky quartz, citrine. Biblio p IX-XV, 56 entries.

6683. TRAUTH, FRIEDRICH Ueber Vorkommen und Ursprung des Diamanten. *Wien Mitt Sekt Naturkunde*, 25, 1913, p 1-4, 9-13, 17-21. Not seen.

TREAT, I, see MONFRIED, H de

TREGANZA, A E, see HEIZER, R F

TREMAYNE, ARTHUR(1880-1954)

Brit mag editor; founded N.A.G.Press 1926 to publish *Goldsmith's J*; in 1931 began publ *The Gemmologist*, coining the word "gemmology" at this time; also publ *Industrial Diamond Review* with help of P Grodzinski. Obit R Webster, *G & G*, 8, 2, 1954, 54-5; *The Gemm*, 23, 272, 1954, 47.

6684. -----1944(?)

Diamonds | From Jewels to Tools | By | Arthur Tremayne | In the preparation of these notes the | writer has consulted the voluminous | literature on the subject, including | articles from many pens which have | appeared from time to time in his | journals: The Gemmologist, Industrial | Diamond Review and Goldsmiths' Journal | N.A.G.Press Ltd. | 226 Latymer Court, Hammersmith, London, W.C. [no date]

Centerstapled: 63, [1 advert]p but adverts scattered elsewhere in text; 25 fig. Dk blue wrap, pale blue cut diamond on cover, title in dk blue & pale blue; adverts back & inside covers. 18.2 x 12 cm(7 1/8 x 4 3/4 in). Cut. JSL. The paper is browning. LC 43-13250.

Cont: advert; tp; advert; tab cont & advert; advert; introd; 10 chs; advert; index; advert,

Well-written, authoritative summary of diamond in the jewelry trade and in industry, with emphasis on De Beers cartel, diamond trading, and industrial applications. Chapters also on color in diamond, and famous diamonds, the last illustrated with line drawings.

TREMAYNE, A, see NEW MINE SAPPHIRE SYNDICATE; GS 34-478.

6685. TREPTOW, EMIL(1854-)

Bergbau | einschliesslich | Steinbruch betrieb und Edelsteingewinnung | Geschichte des Bergbaues, Vorkommen und Abbau | der nutzbaren Mineralien in den wichtigsten Bergbauzirken aller Länder | Für weitere Kreise geschildert | von | E.Treptow | Prof. an der Bergbauakademie Freiberg | Mit 396 Text=Abbildungen, sowie 6 Beilagen | [logo] | Leipzig | Verlag von Otto Spamer | 1900

"Sonderausgabe aus dem Buch der Erfindungen, Gewerbe und Industrien."

8°: stapled gatherings: [2 blank], VI, 364, [4 advert]p; 396 photos, maps, diagrs; headpc; 6 inserts(3 fold maps, 2 in col); 3 fold photos with tissues. Red cloth, gold lett cover & spine; row of blind orns on cover. Yellowish-tan endp. 25 x 16.8 cm(9 7/8 x 6 5/8 in). Cut; ae marbled. JSL.

Cont: blank f; 1/2tp; tp; publ data; tab cont; list of inserts; text tp; 5 parts; index; advert.

A popular work on the history of mining, occurrences and exploitation of economic minerals, including stone and gemstones. The final part is on gemstones and consists of three sections, p 305-52, dealing briefly but adequately with the

occurrences, properties and uses, descriptions of important species & varieties, with a very good treatment of quartz and amber. The illustrations comprise photos, cuts, sketches, and crystal drawings. USGS Library Card GS-997 erroneously spells the name as "CREPTOW."

6686. -----1900(?), part of a larger work

Bergbau und Hüttenwesen | Für weitere Kreise dargestellt | von | Prof. E.Treptow, Prof. Dr. F.Wüst und Prof.Dr. W.Borchers | [orn] | Mit 608 Text=Abbildungen, sowie 12 Beilagen | Leipzig | Verlag und Druck von Otto Spamer [no date]

8°: stapled gatherings: [1]f + p V-VIII, 605, [3 advert]p; headpc; 608 fig; 12 inserts(3 fold maps, 2 in col; 5 fold photos, 4 fold diagrs). V pale gray paper over bds, dk brown frames & lett on cover & spine. Tan endp. 24.9 x 16.9 cm(9 3/4 x 6 5/8 in). Cut. JSL.

Cont: tp; tab cont; text tp("Bergbau"); 5 parts(p 1-352); text tp ("Hüttenwesen"); 3 parts(p 353-590); index; advert.

The three sections on gemstones appear in the first half of the book, p 305-52, as before.

6687. -----1907 Yantar. Prakticheskoe rukovodstvo k razyskaniyu i dobyvaniyu yantarya. *Bogatstvo*, no 2, 1907, 17 p. Not seen.

TRÉSOR DE NUMISMATIQUE... etc, see LENORMANT, C

6688. TRESSLER, DONALD K

Marine Products | Of Commerce | Their Acquisition, Handling, Biological Aspects | and the Science and Technology of Their | Preparation and Preservation | By | Donald K.Tressler, PH.D. | Assistant for Developing Fisheries, United States Bureau of Fisheries; Formerly | Industrial Fellow of the Mellon Institute of Industrial Research | of the University of Pittsburgh | In Collaboration With | Ward T.Bower [to left] George F.Kunz, Ph.D., Sc.D. [to right] |...[7 lines of names in double column]...| Harden F.Taylor | Book Department | The Chemical Catalog Company, Inc. | 19 East 24th Street, New York, U.S.A. | 1923

8°: 762, [6 blank]p; 257 photos, diagrs; 90 tables & others unnumb. Dk blue cloth, blind frame on cover; darker blue panels with gold lett on spine. 23 x 15.8 cm(9 x 6 1/4 in). JSL.

Cont: tp; publ data; pref; tab cont; 37 chs; 2 append; author index; subj index; 3 blank f.

A general survey, "designed for both the scientific and practical man." A good contribution by G F Kunz: Ch 8, "Pearls and the pearl industry-pearl essence," p 146-66, Fig 50-2, also a short article on pearl essence by Harden F Taylor, 161-6, 22 refs. Also in Ch 9, "Mother-of-pearl and blister pearls of marine origin, " 167-80, Fig 53-61, 8 refs. In Ch 10, "The precious coral industry," 190-9, Fig 62-4, 8 refs. The articles are detailed and include statistics on value & production. A list of important pearls, by name & weight, appears on p 147.

6689. -----1940, 2nd printing

Marine Products |...| Harden F.Taylor | Reinhold Publishing Corporation | 330 West Forty-Second Street, New York, U.S.A. [1940]

Reproduced by photo-offset with slight blurring of photos; text same. Pale blue cloth, gold spine lett & rules; new publ name in gold on framed panel on spine. 22.7 x 15.2 cm(9 x 6 in).

6690. -----1927

The Wealth Of | The Sea | By | Donald K.Tressler, PH.D. | Mellon Institute Of Industrial Research | Illustrated with | photographs and drawings | [logo] | The Century Co. | New York & London [1927]

8°: xii, 340 p; photo front pl tip-in; 47 photos on 30 tip-in f. Pale green cloth, gold cover lett surmounting circular coralline orn; gold lett spine. 19.9 x 13.1 cm(7 7/8 x 5 1/8 in). JSL.

Cont: 1/2tp; tp; publ data; pref; tab cont; ill list; 18 chs; index.

"A popular presentation of many interesting facts concerning the production, nature, and uses of the great variety of commercial products of the sea." Of interest: Ch 6, on pearls, nacre, and imitations of pearls, p 90-116, with 2 photos, and Ch 7, on precious coral, p 117-27.

6691. TRINCANO, L

Notions | De | Technologie Horlogère | [rule] | Les | Pierres Fines | Pour L'Horlogerie | Par | L.Trincano | Directeur De L'École Nationale D'Horlogerie | De Besançon | [orn rule] | Éditeurs | Millot Frères | 20, Rue Gambetta, 30 | Besançon | [rule] | 1918

Centersewn: 73, [1 blank], [1], [1 blank]p; 38 photos, line drawings. Pale gray print wrap. 18 x 12.2 cm(7 1/8 x 4 3/4 in). 2 Fr. JSL.

Cont: 1/2tp; tp; publ note; introd; historical notes; 6 chs; tab cont; blank p.

First three chapters: descriptions of gemstones used to make bearing jewels in timepieces, classes of such jewels, methods of distinguishing them and values. Remaining chapters discuss applications in timepieces and the lapidary equipment and procedures required to make them.

6692. -----post 1918, 2nd edit. Not seen

6693. -----1923, Ger edit

Die Edelsteine | und ihre Bearbeitung | für Uhrenmacherei | Bijouterie und Industrie | von | L.Trincano | Direktor der nationalen Uhren- | macher- Schule in Besançon. | [rule] | Uebersetzt | nach der zweiten verbesserten Auflage von | R.Schaad | Hauptleiter an der Gewerbeschule Biel. | [rule] | All Rechte vorbehalten. | [orn] | Verlag E.Magron, Biel | 1923.

8°: 100 p; adverts on p I-II & includ front endp, also p I-XI, and on the endp, p IV-VI [sic]; 91 fig. Pale orange paper over bds, cover title; bright orange cloth spine; advert on back cover. Pink endp, with adverts. Rounded corners. 18.3 x 11.8 cm(7 1.4 x 4 5/8 in). Cut. JSL.

Cont: endp advert; 1/2tp; tp; fwd; introd; historical; 8 sects; advert; gloss(Fr & Ger); tab cont; index to adverts; advert text; adverts endp.

The second French edition from which this was derived was not seen but is indicated to be an "improved" edition. Compared to the first, this German edition is considerably expanded and modified. Topics: historical notes, gemstone descriptions and

distinctions, values, properties that are important in jewels, bored & thrust jewels, earlier manufacturing procedures, modern methods, working of diamond and its manufacture into abrasive and polishing compounds.

6694. -----1926, another Fr edit Les pierres fines et leur préparation pour l'horlogerie. Besançon & Vienne: E.Magron, 1926. Not seen.

6695. TRIVEDI, R K Agate industry of Cambay (Selected Crafts of Gujarat). *Census of India*, 1961, vol 5, part 8-A(1), 1964, p 1-107. Delhi: India, Manager of Publications. Not seen.

6696. TROFIMOV, V S Korennye almazonosnost porody. *Sov Geologiya*, Moskva, no 4-5, 1939, p 41-59. Not seen.

6697. TROFIMOV, V S & NAUMOV, G V Yakutskie Almazy. Moskva: Izdatelstvo "Znanie," ser 8, no 22, 1957, 31, [1]p, ills, 22 cm. Not seen, from LC 57-58985. On diamonds and diamond mining in Siberia.

6698. TROFIMOV, VLADIMIR SERGEEVICH

V.S.Trofimov | Osnovnye Zakonomernosti | Razmeshcheniya I Obrazovaniya | Almaznykh Mestorozhdenii | Na Drevnikh Platformakh | I V Geosinklinalnykh Oblastyakh | [logo] | Izdatelstvo "Nedra" · Moskva 1967

8°: 298, [2]p; 86 fig(mainly maps & geol cross-sects); 30 tabs. Dk blue cloth, silver lett on cover & spine. Black dj, with blue & white lett & photo of diamond crystal on cover. 25.8 x 16.8 cm(10 1/8 x 6 5/8 in). Cut. 1 r, 79 k. Press run 1,400. JSL.

Cont: tp; summ; pref; 14 chs; summ; biblio(p 291-7, 75 Russ entries, 141 others); tab cont; publ data.

Studies the formation of diamond-bearing deposits in ancient platforms and geosynclinal regions on a world-wide basis, examining such deposits in North and South America, Africa, Asia, and Australia. There are numerous showing locations of kimberlite pipe & fissure bodies and diagrams representing the shapes assumed by such bodies.

6699. -----1974 Yantar [amber]. Moskva: Nedra, 1974, 81 p, Not seen.

6700. -----1980

V.S.Trofimov | Geologiya | Mestorozhdeniy | Prirodnykh | Almazov | [logo] | Moskva "Nedra" 1980

8°: 302, [2]p; 78 fig(mainly maps & cross-sects); 46 tab. V pale gray unfin cloth, white lett & silver decor on cover; white spine title. 21.3 x 14.5 cm(8 3/8 x 5 3/4 in). Cut. 3 r. 50 k. Press run 2,250. JSL.

Cont: tp; resume & publ data; pref; 9 parts; conclusion; biblio(p 292-300, ca 230 entries); index; tab cont & publ data.

This work on the geology of natural diamond deposits is a very thorough survey of world-wide occurrences gleaned from the latest literature published in the USSR and elsewhere. The first general part describes diamonds, the crystals, largest diamonds, type occurrences, characteristics, and other data. The remaining parts give details on the geology of type deposits in the platforms of Africa, North America, South America, India, China-Korea, Southern China, and also occurrences in Borneo, the Australian platform, and scattered occurrences in Europe. Much attention is paid to kimberlites, forms of kimberlite bodies, compositions, etc, along with notes of alluvial occurrences and those that have not been traced to an original source. A most authoritative and complete work.

TROLLOPE, ANTHONY(1815-1882)

Brit novelist, social/political commentator; schooled Winchester & Harrow; entered postal service 1834 to 1867; inspector in Ireland 1841-59; sent on postal service missions to several countries which enabled him to obtain firsthand information later to be incorporated in several of his travel/political accounts, as exemplified below. Also wrote some 50 novels.

6701. -----1877 South Africa. London: Chapman And Hall, 1877, 2 vols. Not seen, but from all I can gather, its enormous success quickly led to several reprintings, called "editions," up to a 4th in 1878 which is described below. While Allibone gives the date for this first edition as above, others claim it to be 1878.

6702. -----1878, "4th edition"

South Africa. | By | Anthony Trollope. | In Two Volumes, | Vol. I[-II]. | London: Chapman And Hall, 193, Piccadilly. | 1878. | (All rights reserved.)

8°: I: vii, [1 blank], 352 p; col fold map(43 x 71 cm, 17 x 28 in) tip-in ahead of p[1]. Scarlet cloth, blind frames on covers; gold lett & rule, also blind rules, on spine. Dk greenish-gray dull-finish endp. 20.1 x 13.3 cm (7 7/8 x 5 1/4 in). Te uncut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; blank p; fold map; 19 chs.

II: vii, [1 blank], 352, [32 advert]p; col doublep plan of Kimberley diamond mine tip-in between p 178-9.

Cont: 1/2tp; tp; publ data; tab cont; blank p; 17 chs; index; adverts.

As a result of an extended visit, Trollope was able to write this excellent work which was commended by contemporaries as being free of bias in respect to the political difficulties surrounding the discovery of rich diamond fields. While it covers all aspects of geography and culture of the country, it by no means neglects the subject of diamonds and the diamond industry, with most of such material to be found in the second volume under "Griqualand West," p 135-205, while Ch 7 in this part clearly explains the historical reasons why the land was acquired by England, followed by the story of the discovery of diamonds and subsequent development of the diamond mining industry and the alluvial and "dry"(in situ) diggings in Ch 8. Remarks on the City of Kimberley are given in Ch 9, which also contains a very good account of diamond buying and selling as then practised. A masterful description is also given of the enormous hole of the Kimberley diamond mine before its numerous independent claims were consolidated. Here is also provided the doublepage colored plan of the mine showing the multitude of claims. The folding map of Volume I, prepared by Henry Hall, R.E.D., dated 1878, covers all of South Africa and shows political divisions, lines of communication, cities, towns, and other features. Trollope's work is also of importance for anyone delving into the political history, his statements now receiving more weight than was given them at the time. All of the so-called "editions," actually reprints, appear to be that and nothing more. Sadleir, 483. Very scarce.

6703. -----1879, abridged

South Africa | By | Anthony Trollope. | Abridged By The Author From The | Fourth Edition. | London: | Chapman & Hall, 193, Piccadilly. | 1879. | [All rights reserved.]

8°: viii, 389, [1 blank], [2 advert]p; tip-in col fold map. Pale blue cloth, floral-pattern bands across front cover, with rules & panel bearing title in black; similar spine. Back cover with elaborate publ monogram & rules in black. Pale yellow, dull-finish endp. 18.2 x 12.2 cm(7 1/8 x 4 3/4 in). Cut. JSL. P [i-ii] absent and may have been removed in binding.

Cont: tp; publ data; pref; tab cont; map; 22 chs; blank p; advert.

The part entitled "Griqualand West," now contains Ch 17-19, p 273-332, retaining most of the material on diamonds and the industry. This abridgement, like its predecessors, is very scarce.

6704. -----1968, reprint South Africa. 2 vols, Colonial History series, reprint of 1879 edition, ISBN 0-7129.0730-0. Dawson Publ. USA $ 27.50. Not seen.

6705. TROMMSDORF, JOHANN BARTHOLOMAEUS(1770-1837) Chemische Untersuchungen einiger Fossilien, als... Obsidians vom Hekla;... Heliotrope aus Böhmen; ... Kalzedons aus Sibirien;... Bergkrystalls;... Amethysts, etc. *Nova Acta kAkad [gemein)nütziger Wissenschaften*, Erfurt, 2, 1801, 23 p, 2 pls. Not seen. BMC. The author was a German chemist, prof chem & pharmacy in Erfurt U.

6706. TROMNAU, HANS-WERNER Chemische und physikalische Untersuchungen an synthetischen mit Kobalt gefarbten Spinellen. *N Jb Min*, Abt A, 1934, B-Bd 68, p 349-76, 1 pl, 4 text fig. Not seen.

6707. -----1937 Licht- und Doppelbrechung einiger gelber, gelb-grüner und brauner Diamanten. *N Jb Min*, Abt A, 1937, B-Bd 73, 309-26, 2 fig. Also separate. JSL.

Various yellow, yellow-green, and brown diamond crystals were cut into prisms and precise optical constants determined thereupon using various wavelengths of light; weak birefringence noted in some.

TROOST, G, see STRUVE, H C G v

6708. TROSSARELLI, CARLO Giorgio Spezia: il padre della sintesi idrotermale. *La Gemmologia*, Milano, 1, 1, 1975, 9-24, 14 fig, 7 ref. JSL.

6709. -----1977 Confronto fra il rubino naturale, il rubino Verneuil e un nuovo rubino cristallizzato in fondente. *La Gemmologia*, 3, 1, 1977, 9-24, 20 fig(many of inclusions). JSL. Compares properties, inclusions, other features of natural, verneuil, and flux-grown rubies.

6710.-----1984 Hydrothermal growth: the first historical achievement by Giorgio Spezia on quartz. *J Gemm*, 19, 3, 1984, 240-60, 16 fig(some col); 7 refs. JSL.

6711. TROUGHTON, FELIX J

A Classified List | Of | Minerals | Precious And | Other Stones | [double rule] | By | Felix J.Troughton | [double rule] | The | Abbey Press | Publishers | 114 | Fifth Avenue | London New York Montreal [title in red & black, in double-rule frame; 1901]

16°: 27, [1 blank]p. The pagination begins with title as p [3]. Red cloth, black title on cover & spine. 18.3 x 11.3 cm(7 1/4 x 4 3/8 in). Unopened, fe untrimmed. JSL.

A small work notable mainly for its richness in errors and misspellings, and an almost complete lack of useful definitions. Further, it is not a "classified" list inasmuch as all terms are placed in one alphabetical table.

6712. TROUSDALE, WILLIAM The long sword and scabbard slide in Asia. *Smithsonian Contributions to Anthropology*, No 17, Washington, Smithsonian Institution Press, 1975. Cementb: x, [1], [1 blank], 332 p; 24 photo pls on bound-in glossy f counted in pag; 100 text fig. Blue, printed wrap. 29.5 x 23.8 cm (11 5/8 x 9 3/8 in). Cut. $7.55.

"The scabbard slide is a distinctive carrying device developed 2,500 years ago for the long, iron, equestrian sword." The connoisseur of ancient Chinese jades will find that a great many of these slides are made from nephrite and are described and depicted herein.

6713. TRÜBNER, JÖRG Yu and Kuang. Leipzig: Klinkhardt und Biermann, 1929, 32 p, 69 pls. Not seen: Yang 1953.

6714. TRUEB, LUCIEN F & BUTTERMAN, W C Carbonado; a microstructural study. *Amer Min*, 54, 3/4, 1969, 412-25, 12 fig, 21 ref. 3SL.

"Brazilian carbonados consist of mostly anhedral, randomly oriented diamond crystallites... aggregated and interlocked into porous crystalline masses... [with] variable amounts of inclusions."

6715. TRUEB, L F & DE WYS, E CHRISTIAAN Carbon from Ubangi - a microstructural study. *Amer Min*, 56, 7/8, 1971, 1252-68, 12 fig, 2 tab. JSL. "Carbon" is a trade name for dark-color polycrystalline diamond, which "consists of a porous matrix of randomly oriented, mainly anhedral crystallites... which often encloses well-formed octahedral and cubic diamonds... the pores contain inclusions of florencite and small amounts of other minerals which are usually associated with diamond in alluvial deposits." The photos are electron micrographs of fracture surfaces and transmission photographs.

6716. TRUEB, L F & BARRETT, CHARLES S Microstructural investigation of ballas diamond. *Amer Min*, 57, 11/12, 1972, 1664-80, 14 fig, 19 ref. JSL.

"Brazilian ballas consists of dense, globular aggregates of anhedral diamond crystallites ... the grain boundaries, which are often outlined by impurities and inclusions, are interlocked in complex sawtooth patterns and fracture is almost exclusively transgranular."

TRUMAN, C, see COCKS, A S, 1984

6717. TRUMPER, L C Brazilianite. *J Gemm*, 3, 1, 1951, 1-13, ill. JSL.

6718. TRUSHKOVA, N N & KUKHARENKO, A A

Vsesoyuznye Nauchno-Issledovatelskii Geologicheskii Institut | (VSEGEI) | N.N.Trushkova | A.A.Kukharenko | Atlas |

Mineralov Rossypei | Gosudarstvennoe Nauchno-Tekhnicheskoe Izdatelstvo | Literatury Po Geologii | Okhrane Nedr | Moskva 1961

Titles also sunplied in English, German, French.

8°: 435, [1]p; 102 pls, each with many individual, mostly col, photos. Pale purple unfin cloth, gold titles in ruled frame on cover; gold rules only on spine. Col dj. 28.7 x 22.3 cm(11 1/4 x 8 3/4 in). Cut. Glossy paper. 3 r, 45 k. Press run 5,000. JSL; LC 62-40738.

Cont: blank p; foreign titles; Russ tp; publ data; 4 pref; text(pls alternate with explan f bearing descriptions in all 4 languages); 4 indexes to minerals; 4 tab conts; publ data.

Mineral grains and crystals collected from alluvial gravels, mainly from the diamondiferous areas of Siberia, are shown in color upon the plates, with size, sources, etc. Of interest: diamond crystals, in excellent detail, pls 4-9 & including col specimens, corundum, spinel, zircon, topaz, pyrope, amber, etc. Most specimens are far too small for cutting. Photos mediocre in quality.

6718A TRUSTED, MARJORIE

Catalogue of | European | Ambers | in the Victoria and Albert Museum | Marjorie Trusted | Victoria and Albert Museum | 1985 [London]

Sewn, in 2's & 4's: 119, [1 blank] p; map, 38 b&w photos, 17 col photos (one is front). Brown cloth-like paper over bds, gold spine title. reddish-brown endp. Col dj, col photo amber group on front; back cover plain white; flap resume, 24 x 21.6 cm(9 3/8 x 8 1/2 in). Cut. ISBN 0 948107 13 8.

Cont: 1/2tp; front photo; tp; publ data & photo; tab cont; ackn; fwd; introd; biblio(p22-4, ca 50 entries); text tp; cat(36 entries); append; index; blank p.

The introduction briefly discusses the nature of amber, its history, sources, methods of working, etc, with the major portion of the book consisting of detailed descriptions of the objects which range from plaques, containers, table implements, gameboards, to impressive sculpture and table ornaments, Each entry with notes, provenances, references. A high quality production.

TSAI, HSIAO-MING, see MEYER, H O A

TS'AO CHAO, see KO-KU-YAO-LUN

TSCHERMAK [VON SEYSENEGG], GUSTAV(1836-1927)

Austrian mineralogist; prof min/petrogr Vienna U & curator mineral coll; author important works in mineralogy, petrology, feldspars, etc. Biogr note L J Spencer, *Min Mag*, 22, 131, 1930, 406-8.

6719. -----1863 Ein Beitrag zur Bildungsgeschichte der Mandelsteine. *Sitzungber K Akad Wiss, Math-Naturwiss Cl*, Wien, 47, 1 Abt, 2, 1863, 102-25, 2 pls. Also separate. JSL.

Discusses previous theories on formation of geodes & nodules, examines many specimens, describes minerals therein, and develops a paragenesis. Most space devoted to formation of agate and chalcedony geodes & nodules. Concludes that fillings follow same rules for formation of minerals in other type deposits, that is, hydrothermally.

TSCHIRCH, ALEXANDER(1856-1939)

Ger pharmacologist; prof pharm Bern U 1890.

6720. -----1899 Die Harze. 2 vols. Not seen.

6721. -----1906 Die Harze und die Harzebehälter. Leipzig, 1906. LC Agr 7-1317. Not seen.

6722. TSCHIRCH, A & STOCK, E Die Harze. 2 vols. 418 p, 131 ill + 1858 p, 401 ill. Berlin: Bornträger, 1933. Information on amber, other natural resins. Not seen.

6723. TSIANG, KATHERINE R Radiance and virtue - the R.Norris Shreve collection of Chinese jade and other oriental works of art. Indianapolis, 1983. 88 p, 40 pls, 52 ill, 28 x 21 cm. Paper. Not seen: from Han-Shan Tang, London, List 28, 1985, No 97, "mostly Qing jades, some in archaistic style."

6724. TSINZERLING, E V Zhemchug. *Nemetallicheskie Iskopaemye* SSSR, redakt A.E. Fersman, tom 5, Gneis-Zhemchug... Izdatelstvo Akademii Nauk SSSR, Moskva & Leningrad 1941, p 557-73, 3 fig(2 on tip-in gloss f); tab. JSL. Defines pearl, gives foreign-language synonyms, foreign occurrences, European occurrences, fishing, cultured pearls, scientific study of, imitations, classification, valuation, statistics of industry. Biblio, p 572-3, 58 entries.

6725. TSUJII, TADASHI Studies on the mechanism of shell- and pearl-formation in mollusca. *J Faculty of Fisheries, Prefectural Univ Mie*, 5, 1, Otanimachi, 1960, edge-stapled, p 1-70, [2]p. Pls 1-13, each with opposite explan; 21 fig. Print wrap separate. 25.7 x 18.3 cm(10 1/8 x 7 1/4 in). JSL. Using live specimens of various shellfish, eg, *pinctada* & *anodonta*, among others, studied changes induced in transplanted tissues of type used for culturing pearl, and draws conclusions as to probable growth mechanisms. Preceded by a short but useful summary of past opinions on growth phenomena. Biblio of 101 entries.

TUČEK, KAREL(1906-)

Czech mineralogist; stud under F Slavík, PhD 1932; to staff National Museum, Prague, 1937.

6726. -----1947

Karel Tucek | Krása Nerostů | [rule] | František Novák Praha [1947]

8°: 221, [1], [2 blank]p; 96 photos. Dk green pebbled cloth, gold crystal & title on cover; gold lett spine. Col dj, with photo, white lett; publ & prices back cover. 24 x 17.3 cm(9 1/2 x 6 3/4 in). Cut. Also in print wrap. Kčs 270, cloth; 225, wrap. JSL.

Cont: logo; tp; publ data; ackn; pref; 4 parts; ill list; index; tab cont; publ data; blank f.

"Beautiful Minerals," in the National Museum of Prague, Czechslovakia, written entirely in Czech, it describes the specimens by groups according to the uses of the minerals. Thus the first part is on gemstones, p 13-65, treating diamond, illustrated by models of the Cullinan and its cut gems, emerald, aquamarine, corundum, topaz, tourmaline, peridot, etc, giving for each basic property data and uses. Several sections in this part also treat the ornamental uses of slabs of chalcedonic quartzes that were used in the interior decoration of chapels in several cities of Czechoslovakia. Other parts treat native elements, sulfides, ore minerals, silicates, etc, with the last part on meteorites and moldavites.

TUČEK, KAREL, see SBORNIK NARODNIHO MUZEA

6727. TUCEK, S F Oro y diamantes en Venezuela. Caracas: Edime(Biosca), 1956, 62 p, 1 f, 10 pls. Not seen.

TULLY, BRISTOW JOHN(1879-1929)

Brit gemmologist, jeweller; educ King's Coll, London; taught gemm under sponsorship Nat Assoc Goldsmiths; designed a compact, useful refractometer; Gemm Assoc Gt Brit instituted Tully Medal in his honor. Obit L J Spencer, *Min Mag*, 22, 131, 1930, 408-9.

6728. -----1921

The | Counterfeiting | of Gems | By | B.J.Tully | 16 Great Marlborough Street | Regent Street, W I | Tel. Gerrard 2068 [wrap title only; priv publ; 1921]

Centersewn, with yellow silk cord, knotted: 23, [1 blank] p; 6 fig (2 unnumb). Thick pale gray wrap, title in stamped panel in purplish ink, raised lett; below the remaining information in black; print data back cover. Cover overlaps text by ca 3 mm. 16.6 x 9.2 cm(6 1/2 x 3 5/8 in). Cut. JSL.

Brief discussions of manufacture of synthetic gemstones and counterfeits, and how they may be detected, ie, for spinels, emeralds, diamonds, turquoise, opals, pearl. This appears to be the only substantial paper that Tully wrote. It is very scarce.

TURINGE, A P, see SAMSONOV, Ya P

TURNEBUS, A, see THEOPHRASTUS, 1578

6729. TURNER, FRANCIS JOHN(1904-) Geological investigation of the nephrites, serpentines, and related "greenstones" used by the Maoris of Otago and South Canterbury. *Trans Roy Soc NZ*, 65, 1935, 187-210. Also separate in blue print wrap.

Detailed description of the New Zealand rocks in and related to the deposits of nephrite and serpentine; relative varietal abundances; possible sources; list of specimens examined. Biblio p 210, 13 entries. JSL; Yang 1957. Turner was chairman, Dept Geol, Univ Calif Berkeley, 1954-1959; author important treatises on igneous and metamorphic rocks.

6730. TURNOR, REGINALD

The | Brilliant Armament | By | Reginald Turnor | With A Foreword By | A.E.Lee | Assistant Secretary, Raw Materials | Ministry of Supply | December 1941 [title in blue, in blue frame; London]

8°: 21, [3 blank]p; the last f is pastedown endp, with next to last f serving as flyleaf. Bright blue cloth, gold title in box on cover, with gold lozenge, all enclosed in gold frame. 18 x 11.4 cm(7 1/8 x 4 1/2 in). Cut. JSL.

A handsomely got up small booklet, printed by Blades, East & Blades, of London, and possibly privately published, reciting a poem written during the grim, early days of World War II Britain and all about the diamond and how it had been diverted into the manufacture of weapons of war. Rare.

TURQUOISE ANNUAL, see INTERNATIONAL TURQUOISE ANNUAL

6731. TURQUOISE GOLD & SILVER MINING COMPANY

Mount Chalchihuitl. | [rule] | Description | Of | Property And Mines | Of The | Turquoise Gold | Silver | Mining Company, | Los Cerrillos, | Santa Fe County, New Mexico. [wrap title; nd, post 1880]

Top-stapled: 15 p; cross-sect sketch of mt showing surface & underground workings. Pale, turquoise-blue, print wrap. 15.3 x 10.2 cm(6 x 4 in). Cut. Paper badly browned, embrittled. JSL.

Advertising brochure: brief facts on turquoise and its history, with description of Los Cerrillos district and Mount Chalchihuitl, the ancient Indian mines thereon, and recent work done by the company; followed by a geological sketch and brief list of references, p 15, 10 entries. Rare.

TUSHINGHAM, A D, see MEEN, V B, 1968

6732. TUTKOVSKII, PAVEL APOLLONOVICH(1858-1930) Yantar Volynskoy Gubernii. *Trudy Obshchestva Issled Volyni*, 5, 1911, 19-58. Amber in Volhynia, Ukraine. Not seen.

TUTTON, ALFRED EDWIN HOWARD(1864-1938)

Brit chemist, physicist, crystallographer; attend Normal Sch Sci, later Roy Coll Sci, S Kensington, London; prizes in chem & physics, also won Murchison Medal in geol; BSc, DSc, MA, New Coll, Oxford U; FRS 1899.

6733. -----1911

Royal Society Of Arts. | [double rule] | Cantor Lectures | On | Rock Crystal: | Its Structure And Uses. | By | Alfred E.H.Tutton, M.A., D.Sc., F.R.S. | [rule] | Delivered before the Royal Society of Arts on May 1st, 8th, 15th, and 22nd, 1911. | [rule] | London; | Printed By Wm.Clowes & Sons, Ltd., Duke Street, Stamford Street, S.E. | 1911. | Price One Shilling.

Centersewn: 38, [2 blank]p; 41 fig. Pale green wrap, cover title. 25.1 x 16.7 cm(9 7/8 x 6 5/8 in). Cut. JSL.

Cont: tp; syllabus; 4 lectures; blank f.

The first two lectures deal with the internal structure and morphology of quartz crystals, the third is on optical properties, while the last, of much interest to gemologists & lapidaries, describes the many uses to which rock crystal has been put in science as well as in industry and the ornamental arts. Excellent illustrations of carved objects. The substance of this lecture series also appeared in *J Roy Soc Arts*, London, 59, 1911, 1049-54, 1063-70, 1091-1100; fig. Summary in *Nature*, London, 88, 1911, 261-5.

TU WAN, see SCHAFER, E H

TVERDOKHLEBOV, V A, see ODINTSOV, M M, et al

6734. TWELVE MONTHS AT THE SOUTH AFRICAN DIAMOND FIELDS A demi octavo pamphlet of sixty-eight pages, published in London in 1872. Not seen; from Theal, p 318.

6735. TWELVETREES, W H (1848-1919) & PETTERD,W F (1849-1910) On the occurrence of obsidian "buttons" in Tasmania. *Proc Roy Soc Tasmania*, 1897, p 39-46, 2 pls.

A scientific study, perhaps the first, of the then-unrecognized tektites of Tasmania: morphology, microscopical characters, physical & chemical properties(not optical). The authors recognize the difficulties in explaining origin and only offer the conclusion that they must be of volcanic origin. In the same journal,

same volume, p 54-8, plate, appears "Notes on a specimen of basalt-glass(tachylite) from near Macquarie Plains, Tasmania, with remarks on obsidian "buttons," by T.Stephens," giving supplementary information to the first named paper.

6736. TWINING, EDWARD FRANCIS(1899-), Baron
The English regalia and crown jewels in the Tower of London. London, 1935. Not seen.

6737. -----1945(?), 2nd edit

The English Regalia And | Crown Jewels | In The | Tower Of London | by | E.F.Twining, C.M.G., M.B.E. | [orn] | George Lapworth & Company Ltd. | Vernon House, London, W.C. [no date]

8°: 64 p; 3 photos on 2 tip-in glossy f. Thick, pale tan wrap, framed title with crown in dk blue on cover; spine title. 18.4 x 12.5 cm(7 1/4 x 4 7/8 in). Cut. JSL.

Brief, popular exposition, giving history, descriptions of the various pieces, and their functions. The famous gems in the crowns and regalia are treated in Ch 10, p 49-56. Biblio, p 64, 6 entries.

6738.-----1960

A History Of The | Crown Jewels | Of Europe | [taper rule] | Lord Twining | [logo] | London | B.T.Batsford Ltd [1960]

8°: xl, 707, [1 blank]p; ca 800 ill(mainly photos) on 114 bound-in glossy f. Dk blue cloth, gold lett spine. Dk blue endp. Dk blue dj, gold framed title on cover & spine; resume. 29.6 x 22.2 cm(11 5/8 x 8 3/4 in). Te stained blue. Errata slip. Blue place-marker ribbon. 16 guineas net, US $60.00. JSL.

Cont: 1/2tp; tp; publ data; pref; errata slip; tab cont; ill list; ackn; introd; 27 chs; gen biblio(p 665-6, 41 entries); index; blank p.

A truly monumental work in scope & size and not likely to be equalled or surpassed for many years. It contains an enormous amount of detailed historical information, the fruit of Twining's labors of some 30 years, and brings together almost all that is worth knowing about the subject. Gemstones play important roles in the decoration of many of the items and hence the book is invaluable to gemologists interested now or in the future as to the disposition of famous gems and jewels. The 27 chapters deal with countries of past and present whose royal houses possessed significant pieces, beginning with Austria and ending with Yugoslavia, with most space devoted to England, France, and other countries whose royal houses survived for many years. The details on the jewels and other pieces are remarkably complete, and in addition give histories, roles in ceremonies, and other information, including ultimate dispositions where known. In this respect, Twining has not neglected precise information on the gemstones themselves, many of which appear here for the first time in any publication. The high quality of text and illustrations is matched by the materials and design of the physical book. Apparently only a few copies were printed as is evidenced by the sustained, strong demand for copies in the antiquarian market. Rev *G & G*, 10, 5, 1961, 154-6. See also the remarkably detailed analysis of this work and of its author by S Hugh-Jones, *Horizon*, May 1963, v 5, no 5, pp 92-6, portr.

Book Reviews: G&G Spring 1961 pp 155-6
Horizon, May 1963 "The Lord and the Regalia"
by Sir Cyril Hugh-Jones, p. 92

6739. -----1967

European | Regalia | [orn rule] | Lord Twining | B T Batsford Ltd [London, 1967]

8°: xvii, [1 blank], 334 p; 420 b&w photos on 96 glossy bound-in f; 9 text fig. Maroon cloth, gold spine title. Maroon endp. Maroon dj, gold title in frame on cover & spine; resume. 29.7 x 22.7 cm(11 3/4 x 8 7/8 in), Cut. Te stained maroon. Maroon place marker ribbon. £ 12 12s. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref; ackn; introd; 11 chs; biblio(p 310-11, 63 entries); index.

A matching and complementing companion volume to the above, but now describing the lesser objects of regalia connected with royalty and coronations, as well as other state ceremonies. It equals its predecessor in all respects, though of considerably smaller size and containing less information of interest to the gemologist. The first five chapters discuss their design & development as symbols of authority, and various ancillary matters connected thereto. Chapter 6 takes up scepters of all types, and Chapter 7 describes orbs, many of which are lavishly jewelled, following which appear chapters on swords, other ornaments, symbolic pieces, etc. The final chapter, "Royal Obsequies," includes a long chronological list of rulers whose tombs were opened and the regalia interred with them inventoried. As before, of high quality content and workmanship. Copies are somewhat more readily found in the antiquarian market. Rev: *G & G*, 12, 7, 1967, 224.

6740. TWYNAM, W C

1899. | [double rule] | Report | On | The Ceylon Pearl Fisheries. | [double rule] | By | Sir W.C.Twynam, K.C.M.G., | Superintendent of the Fisheries from 1862 to 1896. | [double rule] | Ordered by His Excellency the Governor to be Printed. | [double rule] | [coat-of-arms] | Colombo: | Printed By George J.A.Skeen, Government Printer, Ceylon. |...| 1900. [title from cover]

Edgestapled: 66 p; text fig; fold part col map.33.3 x 21.3 cm(13 1/4
x 8 3/8 in). Thick, tan paper wrap; inside front cover is tab cont; back cover plain. Cut.

Cont: cover title; inside front cover tab cont; text; 8 appends.

Biological notes, qualities of oysters, fishing practises, inspections, divers, and many other details. The large map shows the banks fished from Marichchukkaddi.

TWYNAM, W C, see CEYLON GOVT PEARL FISHERY RPTS

TYDINGS, J E, see GIARDINI, A A

6741. TYLER, PAUL M Abrasive and industrial diamonds. *US Bur Mines Info Circ* 6562, Mar 1932, 25 p. Not seen; Gill 78.

TYRWHITT, T, see ORPHEUS, 1781

UEBEL, P J, see STRUNZ, H, et al, 1970

6742. UHLIG, J Nephrit aus dem Harz. *N Jb Min*, Jg 1910, Bd 2, 1910, 80-103, fig. Also issued separately. Minor occurrence of nephrite in Radautal, nr Harzburg, Harz Mts, Germany.

6743. -----1914 Der Nephrit von Harzburg. Ibid, B-Bd 39(Festbd Bauer), 450-81, also separate. Not seen.

6744. UKLONSKY, A S [Metachromatism in minerals.] *Doklady Akad Nauk SSSR*, 32, 1941, 209-312. Not seen; BMC: "lists colors in minerals and gemstones observed in normal light versus ultraviolet, with and without various filters."

6745. ULIANO, ANTONIO

Antonio Uliano | Sulle sculture in corallo | di | Carlo | Parlati | Prefazione di Angelo Calabrese | Traduzione in inglese di | Rossana Paolillo | [logo] | Edizioni Ars Magistra Artis - Napoli - Roma [1983]

8°: 47, [1] blank], [2]p + [29]f of col pls + 1 blank f + [2]p. Col portr of Parlati in text + 48 col photos in pls sect. Pale tan-yellow wrap, title on cover. Col dj. 32.1 x 23.9 cm(12 1/2 x 9 3/8 in). Lire 45,000.

Cont: dedic; tp; publ data; pref; text tp; pref; introd; biogr note; col portr; Parlati's sculptures; another text tp in Engl; pref; premise; introd;, etc, also in Engl to p 47; pls; blank f; biblio; press note.

Carlo Parlati, born in Torre del Greco in 1934, in a family of coral engravers, attended the coral artisan school in that city, and also classes in the Naples Academy of Art. His carvings, partly in coral, but also wholly in this substance, reflect his great skill, imagination, and departure from the traditional sculptures in coral of his contemporaries. Many of the objects are Daliesque and frequently combine metals, minerals, organic materials, ebony, silver, gold, etc, to achieve his effects. In addition to his coral-enhanced pieces, the plates also depict carvings in turquoise and a series of large, very effective engraved gems of sardonyx. The photographs are excellent. Engl transl not seen.

ULLRICH, S, see BENHAM, C, 1954

6746. UMEHARA, SUEJI Shina kogyoku zuroku: selected specimens of Chinese archaic jade. Kyoto Daigaku Bunkabu Kokogaku Shiryo 4, Kyoto, 1955, viii, 5 [Engl], 13 pp, 110 pls(3 col). 31 x 25 cm. Cloth. Not seen, from Han-Shan Tang, London, List 28, 1985, No 98: "author illustrates what he considers to be genuine archaic jades, contrary to doubtful specimens published by Laufer and Salmony, or as seen by him, Included are 373 objects, many from Japanese private and museum collections." Born 327; Yang 1018.

UMEHARA, S, see HAMADA, K, et al

6747. UNDERWOOD, W D

Prospectus | Of The | Montana Gem Stone and Gold | Mining and Milling Co. | [double rule] | Capital Stock 1,000,000 Shares. | Fully Paid and Non-assessable. | Par Value $1.00 Per Share. | Treasury Stock 400,000 Shares. | [rule] | Officers. | W.D.Underwood, President. F.E. Davidson, Sec. & Treas. | J.E.Essig, Vice President. | Directors. | W.D.Underwood. C.P.Wilson. J.E.Essig. | W.C.Raile. W.E.Pardridge. [np, nd, post 1897]

Centerstapled: 30, [2 blank]p. Pale green wrap, title in orn frame on cover. 15 x 11 cm(6 x 4 1/4 in). Cut.

"Descriptive Statement Of The Great Emerald Bar Placer Mining Claims, situated about sixteen miles East of Helena, on the Missouri River at Canon Ferry, Lewis and Clark County, Montana." The property was examined by Edward W Streeter, the gem merchant of London, and George F Kunz, whose testimonials are included along with others by J H Pratt, A H Church, and others, who were called upon to identify the stones as true sapphires.

6748. UNGER, FRANZ Der versteinerte Wald bei Cairo und einige andere Lager verkieselten Holzes in Ägypten. *Sitzungsber k Akad Wiss Wien, Math-nathist Kl*, 33, 1858, 209-33, 3 pls. On the extensive forests of silicified wood near Cairo and elsewhere in Egypt. Not seen.

6749. UNION OF SOUTH AFRICA. PARLIAMENT

The parliament Of The Union Of South Africa. | [double rule] | The Senate. | (Third Session - First Parliament.) | Report | From The | Select Committee | On The Establishment Of A | Diamond Cutting Industry | In South Africa, | Together With The | Proceedings Of The Committee Minutes Of | Evidence And Appendix | [double rule] | Ordered by The Senate, to lie on the Table and to be printed, | 15th May, 1913 | [double rule] | [Senate S.C.5 - 1913.]

Edgestapled; xxiii, [1 blank], 168 p. Print wrap, cover title & print data("Number of copies...1,000."). 33 x 20.7 cm(13 x 8 1/4 in). Cut. BM(Nat Hist) Libr.

Cont; tp; orders of ref; rpt; proc; list of witnesses; minutes of evidence; appends(A-K).

After examining all evidence, primarily reports on the availability of rough diamonds, expert cutters, and markets, it is concluded that such an industry could be viable and recommends its establishment.

6750. UNION OF SOUTH AFRICA Mineral resources of the Union of South Africa. Edited and largely written by P.A.Wagner and L.Reinecke. Published by the Executive Committee, Third (Triennial) Empire Mining and Metallurgical Congress, Pretoria, 1930. Not seen.

6751. -----1936 The mineral resources of the Union of South Africa. With a summary of the mineral resources of South West Africa. Compiled in the office of the Geological Survey Pretoria. Union of South Africa, Department of Mines, 1936. 8°: xiv, [1], 454 p; many photos, maps, sketches, etc. Pale gray print wrap. 24.7 x 18.5 cm(9 3/4 x 7 1/4 in). Cut. 1-. JSL.

Contains an important section on diamonds; history of discovery, deposits, economic, cutting, p 61-81, with part col map of localities, production table, statistics. Precious stones other than diamond, p 82-7: amazonite, corundum, emerald, beryl, fluorite, garnet, "jade," serpentine, spinel, quartz varieties.

6752. -----1940 Same title. 8°: 544 p; similar ill. Pale gray wrap. 24.2 x 15.3 cm(9 1/2 x 6 in). Cut. 5s-. JSL. Diamonds: 79-101, fold part col map, prod tab, stat; other gemstones, 102-8.

6753. -----1959 Same title. 8°: xi, 622 p. Many changes in ill; back cover with pocket of maps. V pale brown print wrap. 24.3 x 15.3 cm(9 1/2 x 6 in). Cut. £1. 13 s.- JSL. Diamonds: 43-76, 7 photos, tabs.

Discusses history, type deposits, much on alluvial diamonds, substitutes, economic factors. Other gemstones, 77-87: amber, apatite, beryl, cordierite, corundum, epidote, feldspar, fluorite,

garnet, prehnite, serpentine, spinel, quartz varieties, and table of values for rough.

6754. UNION OF SOVIET SOCIALISTIC REPUBLICS Noveyshie svedeniya o mestorozhdenii nefrita v Vostochnoy Sibiri. *Zhurnal Ministerstva Vnutr Del*, 37, 2, 1852, p 170-86. Not seen, from A E Fersmann, *Dragotsennye i Tsvetnye Kamni Rossii*, 1, 1920, p 209.

6755. -----1862 Dragotsennye kamni v promyshlennom i mineralogicheskom otlozhenii [Precious stones as related to industry and mineralogy], St Petersburg, 1862, 146 p. Not seen

6756. -----1880 Yantarnye ostrova na Baltiyskom More. *Isvestiya Imp Obshchestvo Liubiteley Estestvonaniya, Antropologii i Etnografii Sostoyashchiye pri Moskovskom Universitetiya*, 33, 1, 1880, 393-412. Not seen. Baltic amber.

6757. -----1909 Granilnyi i kamennoreznyi kustarnye promysly v Ekaterinburgskom chezde [Grinding and stone handicraft industries of the Ekaterinburg district]. Ekaterinburg, 1909, 42 p. Not seen.

6758. -----1912 Rassmotrenie proekta Ministerstva Torgovli i Promyshlennosti opravilakh dlya poiskov razvedki i razrabotki tsvetnykh, tsennykh i dragotsennykh kamnei [Examination of the project of the Ministry of Trade and Industry in respect to the instruction to search, survey, and process, colored, valuable, and precious stones]. *Trudy Ekstrennogo Sbezda Gornopromyshlennikov Urala* [Works of the Extraordinary Convention of the Mining-Industrialists of the Urals], 23-30 Okt, 1912, St Petersburg, 1912, p 7- 192. Not seen.

6759.-----1912 Ocherk mestorozhdenii dragotsennykh kamnei v Nertchinskom krae [Note on the deposits of gemstones in the Nerchinsk region]. St Petersburg, 1912, 67 p. Not seen.

6760.-----1919 Materialy po voprosu o polezhenii i nuzhdakh granilnogo i kamnereznogo dela v Rossii [Data on the question of the status and needs of the grinding and stone cutting industry in Russia]. *Otchet O Deyatelnosti Komissii Po Izocheniyu Estestvennykh Proizvoditelnykh sil Rossii, Sost. Pri Ros Akad Nauk, Otchet Otd Dragotsennogo i Podelochnogo Kamnya* [Report of the activity of the Commission to study the Natural Productive Forces of Russia. Division of Reports on the Precious and Imitation Stones]. Petrograd: 1919, 92 p. Not seen.

6761. -----1922 *Archiv Petergofsky Granilnoy Fabriki*. Frequently mentioned by A E Fersman, this appears to be the record/journals of the famous Peterhof Lapidary Works; see A E Fersman, *Gosudarstvennyoye Petergofskaya Granilnaya Fabrika*, 1922.

6762. -----1925 Russia's treasure of diamonds and precious stones... Moscow, The People's Commissariat of Finances [Narodnyiy Komissariat Finan Sov], 1925, 4 vols in one; 100 col pls. 40 x 31 1/2 cm. Not seen, from G F Kunz Coll, USGS, GS 34-388. According to this card, the copy is "imperfect: pl. 51-52 wanting."

6763. -----1937 Sbornik rabot po kamnyam samotsvetam. Tsentr Nauchno-Issledov Labor Kamnei Samotsvetov Mestn prom [Collection of articles on precious stones by the Central Scientific Research Laboratory of Precious Stones of Local Industry]. RSFSR. Issues 1-5, Moscow-Leningrad, 1937. Not seen.

6764. -----1974

Akademiya Nauk SSSR | Nauchnyi Sovet | Po Rudoobrazovaniyu | Institut Geologii | Rudnykh Mestorozhdeniy, | Petrografii, | Mineralogii | Geokhimii | [logo,left] | [rule] | Oblitsovochnye Kamni | [logo] | Izdatelstvo "Nauka" | Moskva | 1974

Cementb: 102, [2]p; tabs, figs. Print wrap. 21.4 x 14.1 cm(8 3/8 x 5 1/2 in). cut k 69. Press run 1,600. JSL.

A survey of the building stone resources in USSR in 23 articles by various experts.

6765. -----1980

Akademiya Nauk SSSR | Institut Geologii | Rudnykh Mestorozhdeniy | Petrografii, Mineralogii, | I Geokhimii [logo to left] | [rule] | Dragotsennye | I Tsvetnye | Kamni | [logo] | Izdatelstvo | "Nauka" | Moskva | 1980

Cementb: 290, [2]p; maps, figs; 2 geol sketch maps on single fold sheet, inserted loose. Yellow-orange wrap, cover title. 21.7 x 14 cm(8 1/2 x 5 1/2 in). Cut. 1 r, 30 k. Press run 8,400. JSL.

Cont: tp; summ & edit data; pref; 26 articles in 6 categories; tab cont; resumes of articles; publ data; loose map sheet.

The first 6 articles on general topics in gemology, followed by 4 articles in the section of gemstones of magmatic origin(iridescent plagioclase, obsidian, gemstones in Yakutian kimberlites, and gemstones in ultrabasic rocks, pegmatite deposits, and Uralian gemstones). The next section, contact-metamorphic deposits, includes Cr-diopside, Ural emeralds, spinel, clinohumite & manasseite in the Pamirs, lazurite of the Lake Baikal region, a hydro-grossular resembling the "Transvaal jade" of South Africa from Kazakhstan, listvenite from the Urals, and rhodonite. The fifth section contains 2 articles on hydrothermal gemstones, ie, agate and amethyst, while the last section consists of 2 articles on turquoise.

6766. -----1983

Akademiya Nauk SSSR | Sibirskoe Otdelenie | Institut Geokhimii Im. Akademiya A.P .Vinogradova | Mineralogiya | I Genezis | Tsvetnykh Kamney | Vostochnoy Sibiri | [logo] | Izdatelstvo "Nauka" | Sibirskoe Otdelenie | Novosibirsk · 1983

Edgestapled: 119, [1]p; fig, graphs, tabs. Blue dec wrap, white lett on cover; dk blue back cover. 26 x 16.8 cm(10 1/8 x 6 5/8 in). Cut. 1 r, 30 k. Press run 2,200 copies. JSL.

Cont: tp; resume & edits; pref; text; tab cont & publ data; advert; article resumes.

On mineralogy & genesis of gemstones in Eastern Siberia, in 13 articles by various authorities: spinel in Baikal region, lavrovite in southern Baikal, aquamarine & topaz of Sherlovaya Gora in Transbaikal, amethyst of the Siberian Platform, charoite of Baikal region, also lazurite(2 articles), garnet, jadeite and diopside of Western Sayan, nephrite of Sayan-Baikal region, and 2 articles on the nephrite of Eastern Sayan. All articles formally scientific; nothing is stated about suitability for cutting, etc.

6767. UNION OF SOVIET SOCIALISTIC REPUBLICS. ALMAZNYE FOND SSSR USSR diamond fund [Almaznye Fond SSSR]. Treasures of the USSR Diamond Fund. Moskva: Sovetskii Khudozhnik, 1967. Consists of 60 color photo postcards, 12 cards per portfolio, 14.8 x 20.8 cm(5 3/4 x 8 1/8 in), enclosed in 3-panel fold-overs, measuring 21.1 x 42.7 cm(8 1/4 x 16 3/4 in), printed with a col photo of a cut diamond and with Russian title on one panel, plus titles in English & French on a second panel, and publ data on the third. The five panel colors are plain black on white, pale green, pale blue, pale pink, and pale yellow. Presumably this is the complete set although two duplications of Siberian rough and cut diamonds were noted. Price per set of 12 cards 1 r, 22 k; single cards 9 k, Objects shown include several crowns, an orb, the scepter set with the Orlov diamond, the Shah diamond, large & small diamond crystals recently mined in Siberian pipe deposits, gold and platinum nuggets, jewelry, and gemstones as diamond, corundum, spine, tourmaline, topaz, peridot, pearl, and others. The photographs range from fair to good in quality; each card provides captions in Russian, French, and English.

6768. UNION OF SOVIET SOCIALISTIC REPUBLICS. LENINGRAD, HERMITAGE MUSEUM

Gallereya dragotsennostei Imp. Ermitazha [Gallery of precious objects in the Imperial Hermitage]. Leningrad: *Khudozhnikh Sokrovishcha Rossi* [Artistic Treasures of Russia], vol 2, no 12, 1902, p 307-41. Not seen.

6769. UNION OF SOVIET SOCIALISTIC REPUBLICS. MINISTERSTVO GEOLOGII

Ministerstvo Geologii | I Okhrany Nedr SSSR | [orn] | Almazy | Sibiri | [vignette] | [rule] | gosudarstvennoe nauchno-tekhnicheskoe izdatelstvo | literatury po geologii i okhrane nedr | 1957 [title in black & blue]

8°: 157, [3]p; 193 fig(includes 23 col photos on 10 glossy tip-in f); col fold geol map loose. Mauve cloth, title in elaborate type-style in white & gold on cover; white & gold orn on spine. Pale purple endp, with inner-hinge orn bands & small diamond crystal photos. Heavy purple wrap, black title on cover with black band decorated with diamond crystals. 26.1 x 17.3 cm(10 1/4 x 6 3/4 in). Cut. 14 r 85 k. Press run 5,000. JSL.

Cont: tp; contrib list; introd; 7 chs; concl; biblio(p 157-8, 33 entries); tab cont. publ data.

First comprehensive account of the geology, mineralogy, pipe bodies, etc, of recently discovered diamond deposits in Yakutia, Siberia as told in 7 articles; topics are geology of in-situ deposits in Vilui Basin, petrography of Siberian kimberlites, mineralogy of same, mineralogy of diamond deposits in Vilui Basin, the Vilui placers, satellites of diamond as prospecting aids, geophysical methods of prospecting for kimberlite bodies. The color plates depict numerous specimens of minerals found associated with diamond in kimberlite while the chapter on the mineralogy of diamond contains many photographs of diamond crystals. Thorough review of this & other USSR diamond papers dealing with deposits, see C F Davidson, "The diamond fields of Yakutia," *The Mining Mag*, London, 97, 6, 1957, 329-38, 4 fig.

6770.-----1960 Materialy po izucheniyu almazov i almazonosnykh raionov SSSR. *Vsesoyuzhnyi Geologicheskiy Institut, Materialy Vsesyuzhnogo Nauchno-Issledovatelskogo Geologicheskogo Instituta*, Novaya seriya, vypusk 40, 186 p, ill, maps, tabs. 26 cm. Leningrad: OtdelNauchno-Tekhn. Informatsiy, 1960. Not seen, from LC 62-41216.

6771. UNITED KINGDOM. THE COMMONWEALTH ECONOMIC COMMITTEE Non metallic minerals. Diamonds. London: Her Majesty's Stationery Office, 1964. An extract of 21 pages. Not seen.

6772. UNITED STATES OF AMERICA, BUREAU OF MINES Bakwanga diamond mines. *Mineral Trade Notes*, 27, 1948, 28-44. Not seen.

6773. UNITED STATES OF AMERICA. CONSULAR SERVICE Precious stones industry, and the share of the United States therein. *US Consular Service Reports*, 77, 290, 1904, 146-83. Not seen.

6774. UNITED STATES OF AMERICA. WAR DEPARTMENT Report of the Philippine Commission to the Secretary of War 1908, Appendix, Notes and Reports on Mineral Resources, Mines and Mining, Pearl, Shell, and Sponge Fisheries. *Annual Reports, War Dept*, FY ended Jun 30, 1908, Washington, DC, 1909, xi, 584 p. P 521-54: "Compilation of notes and reports on the pearl, shell, and sponge fisheries of the Philippine Islands." Includes "Jolo mother-of-pearl and pearl," "Statement made by the Sultan of Sulu relative to the pearl fisheries," "Mollusks," "Mother-of-pearl and pearls in the Sulu Sea," "Pearl fisheries," and other notes, in fact, most of the pages noted being devoted to pearls and shell. Highly detailed, accurate information.

6775. UNITED STATES GEMOLOGICAL SERVICES, INC

Everything You've Always | Wanted To Know About Diamonds | [photo] | by | [logo] | United States Gemological Services, | Inc. | First Edition [Santa Ana, CA: Institute of Education, Research and Development, 1977]

Cementb: [4], 92 p; 42 photos, sketches, diagrs, graphs. Wrap, with front cover sketch of a girl with a central cut-out corresponding with the titlepage photo of a human navel set with a cut diamond. 22.9 x 15.2 cm(9 x 6 in). Cut. $5.95. LC 77-077921. ISBN 0-930128-00-1. JSL.

Cont: tp; publ data; dedic; pref; 10 chs.

A small book that presents its information by posing questions and then answering them. Presumably these questions are what an uninformed person may ask but it becomes quickly apparent that many could only be posed by a fully-informed expert. While considerable useful information is to be found, the work on the whole is written in childish language which is sometimes incomprehensible or confusing, and further replete with misspellings and poor grammar, and without any text references to the illustrations which presumably are inserted to aid the reader. The illustrations are not captioned. The text is poorly organized and redundancies common. There are no references.

6776. -----1977(?), 2nd edit

Everything You've | Always Wanted To Know | About Diamonds... [3 dots sic] | [orn] | [logo] | United States Gemological Services, | Inc. | Second Edition

Pale tan wrap; title with drawing of a diamond cleaver & logo on cover; spine title; logo back cover. Reset tp, else identical and actually a reprint.

6777. -----1978

The Business Of | Diamonds | by | The Staff of | United States Gemological Services, Inc. | 1978 | First Edition [np]

Cementb: [6], xix, [1], 109, [1 blank]p; 30 photos, 12 drawings, 2 maps; 15 charts & graphs; many tabs. Pale gray print wrap, drawing & logo with title on cover; spine title; back cover logo & price; inside front cover with photo. 17.7 x 12.6 cm(7 x 5 in). Cut. $9.95. JSL.

Cont: tp; publ data; dedic; objective; tab cont; quot & introd; 15 chs; epilog; quot; blank p.

Purports to provide unbiased information on purchasing diamonds for "adornment, pleasure and investment," but actually discusses only investment in a period when diamonds were touted to be particularly sound for such purpose, and as subsequent events proved, far from that. Only one chapter, IX, "Some negative thoughts," introduces a cautionary note in what is otherwise an endorsement of investment value of diamonds.

6778. UNIVERSITY MUSEUM. THE UNIVERSITY OF PENNSYLVANIA

Archaic Chinese Jades | [dot] | Special Exhibition | February, 1940 | [dot] | The University Museum | Philadelphia

Centerstapled: [2 blank], 58, [4 blank]p; front photo; 16 text photos called "plates." Thick, pale blue wrap, orange rect panel on cover overprinted with black line-drawing of a carved jade, an orange dot, and black lett. 26.6 x 19.5 cm(10 1/2 x 7 5/8 in). Cut. JSL.

Cont: blank f; 1/2tp; front; tp; ackn; introd; dynasties; cat; 2 blank f.

The introduction by Horace H F Jayne provides an appreciation of Chinese jades, discusses the etymology of the word jade, notes dating of jades, archeological sites, uses of objects where such is identifiable, and descriptive terminology. The large covered cup of the frontispiece is described on the last page of text, while all other exhibits, 310 in all, are depicted in text photos and briefly described according to use, date, size, etc. Because so many objects are shown in each photo, the illustrations give little more than a general idea of form & decoration. Comment by Born, 179-80, who enters this work under JAYNE, HORACE HOWARD FURNESS.

UNKOVSKAYA, V A, see FERSMANN, A E, 1920

6779. UPMANN

Beiträge | zur | Geschichte der Graffschaft Oberstein | nebst | Wegweiser | und | Abhandlung über das Fabrikwesen | von | Dr. Upmann. | [orn rule] | Mainz, | Druck von Victor v.Zabern. | 1872.

8°: 90 p; large genealogical tab of Counts of Oberstein tip-in at end. Front litho view of the old castles and famous Chapel in the Rock. Dull orange wrap, title in frame on cover. 21.8 x 13.1 cm(8 5/8 x 5 1/8 in). Uncut. USGS Kunz Coll.

Cont: front; tp; text; fold table.

Contributions to the history of the County of Oberstein, with sketches of the careers of the first counts of the 11th and 12th centuries. From the gemological point of view, this rare work is interesting because of including considerable information on the agate industry, with much of the data on these and other gemstones taken from H Lange's *Die Halbedelsteine*, 1868, which see. The gemstones are described on p 45-7, plus sources, colors, artificial colors, objects made from stone, types of work, lapidary methods, and rules & regulations governing the lapidary industries to p 61.

6780. URBAN, JAN Die Edelsteine in der St.Wenzelskapelle zu Prag. *Der Aufschluss*, 22, 1, 1971, 37-50, 8 ill, 19 ref. Interior decorations, mainly cut from quartz varieties, in the St Wenceslas Chapel in Prague, Czechoslovakia. JSL.

URSINUS, FULVIUS, see ORSINI, FULVIO

6781. USHAKOV, A Dragotsennye kamni v promyshlennom i mineralogicheskom otnoshenii. St Peterburg, 1962, 146 p. Precious stones as related to industry and mineralogy; not seen.

6782. USPENSKII, N M Materialy dlya pozananiya genizisa mestorozhdeniya Monetnoy-Dachi. *Zapiski Leningradskogo Gornogo Instituta*, 2, 1, 1937, 161-205, with p 197-205 Engl summ; 24 fig, 2 diagrs, 2 mine area maps, On the geology and mineralogy of the emerald deposits of the Monetnaya Estate on the E slope of the Ural Mts, ca 70 km NNE of Sverdlovsk; the text largely treats the petrographies of the "eastern intrusion" rocks, and proposes a sequence of genetic events leading to the formation of emerald-bearing veins. Published in 1938; not seen.

6783. UTAH GEOLOGICAL AND MINERAL SURVEY

Collector's Guide | To | Mineral and Fossil Localities | In Utah | Utah Geological And Mineral Survey | a division of the | Utah Department Of Natural Resources | June 1977 Price $2.50 [logo to right]

Edgestapled: v f(versos blank) + 112 p; 17 county sketch maps; col fold relief map of state, 57.5 x 46.5 cm(22 5/8 x 18 1/4 in) image size, in back cover pocket. Two leaves of corrections & additions inserted betw p 74-5 and numbered "74a and 74b." Pale yellow-tan wrap, title & cartoon on cover; description of Survey back cover; officials inside front cover. 27.9 x 21.6 cm(11 x 8 1/2 in). Reproduced from typescript. JSL.

Cont: tp; tab cont; fwd; introd; text by counties; index

The introduction provides the usual remarks on private ownership of lands, other types of land holdings, travel information and maps, and field trip advice. Counties are treated alphabetically, with a sketch map(printed from the colored pocket map) numbered to correspond to localities, and the information includes what is to be found, where, how to reach the places, and other advice in addition to detailed references to the literature. A number of gemstone deposits are included, with the correction pages referred to above being for the celebrated topaz deposits of Thomas Mts, Juab Co. The county index maplets are inadequate and very difficult to read.

UVAROV, V A, see DONOVA, K V et al

6784. UYLDERT, MELLIE Verborgen krachten der edelstenen. Amsterdam: De Driehoek, 1980(?). Not seen

6785. -----1981, Engl edit

The Magic of | Precious | Stones | by | Mellie Uyldert | Translated from the Dutch by Transcript | [logo] | Turnstone Press Limited | Wellingborough, Northamptonshire [England] [1981]

Cementb: 160 p; 4 ill. Black, plasticized wrap, title & col photo on covers; spine title; resume back cover. 21.6 x 13.2 cm(8 1/2 x 5 3/16 in). Cut. ISBN 0-85500-138-0.

Cont: 1/2tp; other bks of author; tp; publ data; tab cont; 23 ch; index.

On the secret powers of gemstones and their influences on health and mental state. Topics: origins of gemstones, spiritual significance, gemstones in astrology & magic, in religion & medicine, crsystallography, chemical composition, lapidary treatment, specific healing properties of same, and a list of the stones and specific attributes. Mistakes in spellings and in facts, no references save for several mentioned in the text, includes gemstones that surely have no historical basis for such inclusion, eg, alexandrite, demantoid, uvarovite, etc. While much interesting information is to be found it is poorly organized and much is to be questioned. A second impression appeared in 1983.

6786. -----1983, Ger edit Verborgene Kräfte der Edelsteine. München: Heinrich Hugendubel Verlag; not seen

6786A. -----1985, 2nd Ger edit

Mellie Uyldert | Verborgene Kräfte | der Edelsteine | Hugendubel [1985] Cementb: 173, [3 advert]p; 4 col photos on 4 glossy f includ in pag; 10 text fig(mostly facet gem styles used as ch orns); 1 diagr. V pale gray glossy paper over bds, col photo & title on front; spine title; back cover 21 x 13.5 cm(8 1/4 x 5 3/8 in). Cut. ISBN 3 88034 216 4. JSL.

Cont: 1/2tp; tp; publ data; tab cont; introd; text; list of stones; advert. Translated from the Dutch by Hedwig Jolenberg.

UYENO, R, see HAMADA, K

UZIELLI, M, see CHRISTIE, MANSON AND WOODS, 1861; also ROBINSON, J C

6787. VACHELL, HORACE ANNESLEY(1861-1955)

Experiences | Of A | Bond Street Jeweller | By | Horace Annesley Vachell | Author of "the Hill," "Bothers," "Qinneys," | "The Fifth Commandment," etc. | [logo] | Cassell | And Company, Limited | London, Toronto, Melbourne | And Sydney [1932]

8°: [2 blank], [5], [1 blank], 309, [1]p. Cloth. 18.7 x 11.8 cm(7 3/8 x 4 5/8 in). Cut. JSL.

The prolific and highly successful British novelist (DNB) writes here a series of fictitious, yet plausible and interesting stories about gems and jewels and adventures in the jewelry trade in London as told by a member of a large firm.

VAGNER, A P [sic], see WAGNER, P A

6788. VAILLANT Sur la peche du corail en Algerie. *Bull Soc Imper Zool d'Acclimatation*, Paris, 2, 1855, 177-92. Not seen.

6789. VALAEV, RUSTEM

Rustem Valaev | Almaz - Kamen | Khrupkiy | Novelly | O Dragotsennykh Kamnyakh, | Rasskazy | Chetvertoe Izdanie | Kiev "Radyanskiy Pismennik" 1977

Octagonal vignette to left on tp; tp overprinted in purple ink "Printed in the Soviet Union."

8°: 253, [3]p; 2 fullp drawings; orn inits. Black & red paper over bds, diamond on front cover with title in b&w; similar back cover less diamond or title. Black cloth spine, red lett & vert rules. 16.4 x 12.9 cm(6 1/2 x 5 in). Cut. Press run 50,000. 80 k. JSL.

Cont: tp; summ; part tp & fullp ill; novels to p 192; part tp with 2nd fullp ill; tales to p end; tab cont; publ data.

Popular legends & tales of diamonds and precious stones, i e, Sancy, colored diamonds, star sapphires, Shah, Orlov, Pitt-Regent, Cullinan, Maria, also pearls, topaz, rock crystal, emerald, Ukrainian emerald and others from this region, ruby, amber, the Peacock Throne, engraved gems, Koh-i-Nur, and alexandrite, with several stories("Rasskazy") finishing off the work.

6790. VALENTINI, PHILIPP JOHN JOSEPH(1828-)

Two Mexican Chalchihuites, | The Humboldt Celt, | And | The Leyden Plate, | By | PH.J.J.Valentini, PH.D. | [wood engrav] | "The Humboldt Celt." | [rule] | From Proceedings Of The American Antiquarian Society, April 27, 1881. | [rule] | Worcester: | Press Of Chas.Hamilton, | 311 Main Street. | 1881. [Offprint; orig pag 5-24]

Centersewn: 8°: 24 p; title wood engrav + 7 others. V pale gray wrap, framed title on cover. 24.8 x 15.2 cm(9 3/4 x 6 in). Cut. JSL.

When urged by Dr Heinrich Fischer, who presented him with two facsimile plaster casts of the objects, Valentini describes two shallowly-incised jadeites of Meso-America workmanship, first giving an extensive summary of Fischer's *Jadeit u Nephrite*, 1875, which see, and Fischer's famous opinion that such objects found in America must have been made from material of Asiatic origin. The objects are carefully reproduced in the engravings and the motifs thereon explained.

6791. VALESI, FRANCESCO; GORI, ANTONIO FRANCESCO(1691-1757) & VENUTI, RIDOLFINO (1705-1763)

Museum | Cortonense | In Quo | Vetera Monumenta | Complectuntur | Anaglypha, Thoreumata, Gemmae Inscalptae, Insculptaeque | Quae | In Academia Etrusca | Ceterisque Nobilium Virorum Domibus Adservantur | In Plurimis Tabulis Aereis | Distributum, | Atque A Francisco Valesio Romano, Antonio Francisco Gorio | Florentino, Et Rodolphino Venuti Cortonense | Notis Illustratum. | [engrav gem] | Romae MDCCL. | Sumptibus Fausti Amidei Bibliopolae In Via Cursus. | [rule] | Typis Joannis Generosi Salomini In Foro S.Ignatii. | Superiorum Permissu. [title in red & black; 1750]

2°: XVIII, 126 p; a-b^4, c, A-Hh^2, Ii; 85 engrav pls; engrav headpc; 1 engrav text fig; 1 woodcut fig; numerous fine woodcut inits. 40.3 x 27 cm (15 7/8 x 10 5/8 in). Large paper(?). Also seen in uncut gatherings, 35.4 x 24.1 cm(14 1/8 x 9 1/2 in). JSL.

Cont: tp; quot; dedic; imprimaturs; pref; index of gems; text; subj index; errata & corrigenda; pls.

Describes the collection of Etruscan objects and gems stored in the museum created by the Academy of Cortona, Italy, founded by Venuti in 1726. Several plates at the beginning depict scenes of discovery and are followed by plates of bronzes, statuettes, bas-reliefs, etc, and plates of engraved gems, nos 22-78, each plate depicting one enlarged gem, with name of material but no size scale; the remaining plates depict various small bronzes, eg, lamps, sculptures. Vinet 1674; Brunet 5, 1053; Cicognara 2, 3418. Despite several objects of sexual interest, not in Goodland. C W King, *Antique Gems and Rings*, 1, 1872, p 466, states "an illustrated description of the antiquities preserved in the Etruscan Museum and in the collections of different noblemen of Cortona. Of the plates the larger portion are devoted to the gems, each being drawn to a greatly enlarged scale, and occupying a whole page, having, however, its outline of the real size placed below [but not in all examples]. These gems, containing several interesting types, are very unequally represented, being evidently done by several hands. Some are masterly specimens of copperplate engraving, whilst an equal number are drawn without either intelligence or technical skill. The works themselves appear to belong almost entirely to the Roman imperial period, contrary to what was to be expected from their place of discovery." Brief mention by Furtwängler. See Zazoffs, *Gemmensammler*, p 113, 115.

VALESI, F, see STOSCH, P

6792. VALLESII, or VALESIO, FRANCISCI [recte VALLES, FRANCISCO DE](1524-1592) Francisci Vallesii De iis quae scripta sunt physice in libris sacris, sive de sacra philosophia, liber singularis, cui, propter argumenti similitudinem, adiuncti sunt duo alij. nempe Levini Lemnii de platis sacris: et Francisci Ruei De Gemmis, ante quidem editi, sed nunc emendatius expressi... Lugduni, apud Franciscum le fevre, 1588. 693, 285 pp. 17 1/2 cm. "De gemmis aliquot iis prasertim quarum diuus Ioannes apostolus... authore Francisco Rueo," p [195]-284. Not seen, from USGS GS 33-314; also BM(Nat Hist) Libr Cat which notes that this work was first issued probably in 1587.

6793. -----1595, Leyden

Francisci | Vallesii | De Iis Qvae Scri- | Pta Svnt Physice | In Libris Sacris, Sive | de sacra Philosophia. | [orn] | Liber Singvlaris. | Cui, propter argumenti similitudinem, adiuncti sunt duo | alij: nempe Levini Lemnii de plantis sacris; | & Francisci Rvei de Gemmis, | antè quidem | editi, sed nunc emendatiùs expressi. | Quarta haec editio à mendis quae prioribus irrepserant | diligenti studio repurgata est. | [woodcut vignette] | Lvgdvni, | In Officina Q.Hvg.A.Porta, | Apvd Fratres De Gabiano. | [rule] | CIↃ IↃ XCV. [1595]

8°: 678, [23], [3 blank]p; + 284, [3], [1 blank]p; a-z^8, A-X^8, Aa- Ss^8. 17.6 x 11.2 cm(6 7/8 x 4 1/2 in). Cropped. R Hauck Coll.

Cont: tp; dedic; pref; text to p 678; index(11 ff); colophon; 3 blank p; tp to Lemnius; sonnet by Paschasius; text; tab cont; index; and Rueus as follows:

De Gemmis | Aliqvot, Iis Prae- | Sertim Qvarvm Divvs | Ioannes Apostolus in sua Apoca- | lypsi memenit: de aliis quoque, qua- | rum vsus hoc aeui apud omnes per- | crebruit, Libro duo: Theologis non | minùs vtiles quam Philosophis, & | omnino foelicibioris ingeniis per- | iucundi, è non vulgaribus vtriusque | Philosophiae adytis deprompti. | Avthore Francisco | Rueo, Doctore Medico Insulano | [signed:] Nn2

After which appear a list of authors consulted, indexes to Book I and parts 2 & 3 of Book II, and a note on Balduin Paschasius(b Brussels in 15th C; d after 1532). The work begins on p 195; text from p 199-276; P.'s ltr to 284; then 2 sonnets, a blank p, and colophon [Lvgdvni, | Ex Typographia | Haeredum Petri Roussin. | [rule] | CIↃ. IↃ. XCIV.]; blank p. See RUEUS for other editions of his work.

VALLOT COLLECTION

Joseph V , b Lodève, Fr 1854; astronomer, geographer, botanist, alpinist; repeatedly climbed Mt Blanc upon which established an observatory and another at Chamonix; d 1925.

6794. -----1925

Collection J.Vallot | [rule] | Pierres Dures | De La Chine | Jades - Cristaux De Roche - Agates | Calcédoines - Améthystes | Quartz - Lapis-Lazuli - Malachites - Turquoises | Ambres Et Jaspes | [rule] | Collection de Sceptres | Dont La Vente Aux Enchères Publiques Aura Lieu | Hotel Druot... | les Lundi 16, Mardi 17 et Mercredi 18 Novembre 1925 | a deux heures | [rule] | M^e F.Lair-Dubreuil | Commissaire-Priseur | Paris: 6, Rue Favart |... [title in red & black]

4°: [3], [1 blank], ii, 37, [1 blank]p; portr front pl of Vallot; 23 photos on 8 glossy pls bound-in but not includ in pag. Pale tan, paper wrap, folding inward over a pair of flyleaves at each end; olive-green lett. 32.3 x 23 cm(12 3/4 x 9 in). Uncut. JSL.

Cont: 1/2tp; sale conditions; tp; front; Vallot vita; cat; blank p.

The auction sale offered 310 items, mostly jades, but also including a statuette in realgar(!), a variety of scepters but not all of which were carved from stone, other carvings in steatite, and several objects of glass. All of the pieces appear to be modern.

VALMONT DE BOMARE, JACQUES-CHRISTOPHE(1731-1807)

Fr linguist, mineralogist, nat historian; taught nat hist in Paris; publ important works in mineralogy. *Biogr Univ* 47, 394-6; DSB 13, 565-6.

6795. -----1764 Dictionnaire raisonné universel d'histoire naturelle... 5 vols, Paris, 1764. First edit. Not seen. Enormously popular encyclopedia that covers all three kingdoms.

6796. -----1768-1770, Verdun, plus suppl vol publ in Paris. Not seen.

6797. -----1775, Paris, 9 vols. Not seen

6798. -----1776, 3rd edit, Lyon, 9 vols. Not seen

6799. -----1791, 4th edit, Lyon, 15 vols

Dictionnaire | Raisonné Universel | D'Histoire Naturelle | Contenant | L'Histoire Des Animaux, Des Végétaux | Et Des Minéraux, et celle des Corps célestes, | des Météores, et des autres principaux Phénomenes | de la Nature; |... [6 lines]...| Par M.Valmont-Bomare, |...[10 lines of honors, etc]...| Quatrieme Edition, revue et considérablement augmentée | par l'Auteur. | Tome Premier[-Quinzieme]. | [orn rule] | A Lyon, | Chez Bruyset Freres. | [orn rule] | M. DCC. XCI.

8°: each vol ca 600 p; first vol with fine allegorical engrav as front; also a fine engrav headpc. 19.5 x 12.2 cm(7 5/8 x 4 7/8 in). Cropped. JSL.

Cont; 1/2tp; tp; edit note & pref(in vol 1 only); text. The last vol contains 236 p of text & Latin dict of terms in 390 p + authors & serials consulted, p 391-404, and an extract of the Register of the Royal Society of Agriculture & approbation, p 405-8.

A researcher in the state of mineralogy in the author's time could do far worse than to consult the large number of detailed entries on minerals, ores, stones, and gemstones, all of which apparently reflect the author's interest and deep knowledge of the earth sciences. I estimate that there are about 100 pages devoted to gemstones alone.

6800. -----1800, 5th & last edit, Lyon, 15 vols. Not seen

6801. VAN ANTWERPEN, CHARLES

Diamonds | All Over | The | World | By Charles Van Antwerpen [Brussels: Editions du Maris, 1958]

Cementb: 43, [2]p + f inserted betw p 42-3; last text p inside back cover. Many b&w & col photos, line drawings, etc. Glossy paper wrap, diamond design on front with title "Le Diamant" in white; an old print on back cover. 22.1 x 17 cm(8 3/4 x 6 5/8 in). Cut. JSL. Also publ in other languages.

Promotional booklet issued free at the Brussels World's Fair 1958: history of diamond, origin, production, crystal forms, properties, cutting, the diamond cartel, diamond in jewelry, Belgian Congo diamonds, boart & uses, list of participants.

6802. VANASSE, THEODORE C A study of Lake superior agate. *Earth Sci Digest*, 2, 1, 1947, 9-17, 11 photos; 2, 9-14, 25-6. JSL.

6803. -----1950

Lake Superior Agate | "The Rainbow in Rock" | By Theodore C.Vanasse | Illustrated with | Actual Photographs from | the Author's Collection | Published by | The Sun | Spring Valley, Wisconsin | 1950

Plastic-tube hinge: 63 p; 43 photos, photo of author; the photos on one side of otherwise blank ff but all includ in pag. Thick, bright blue print wrap of textured paper; silver lett & rules on cover. 22.3 x 14.8 cm (8 3/4 x 5 3/4 in). Cut. JSL.

Cont: blank f(for notes); tp; portr; tab cont; ackn; text; 3 blank p.

Expansion of author's previous article above: describes & classifies the banded agates typical of the alluvia of the Lake Superior region, origin, interpretation of internal structures, miscellany of information on color, sizes, thunder eggs, localities, and how to collect.

6804. -----1951, 2nd edit, 66 p, 46 ill. $2.00. Not seen; rev R & M, 26, 1/2, 1957, p 59.

6805. VAN BUREN, E DOUGLAS Seals of the second half of the Layard Collection. *Orientalia*, ns, Roma, 23, 1954, 97-113. Not seen.

6806. VAN CAMPEN, PETER

Asscher Diamant Maatschappij, N.V. Asscher's Diamond Works | [col vignette of cut diamond] | Amsterdam - Paris - New York [nd, ca 1963]

"This booklet was designed according to instructions of Asscher's Diamant Maatschappij N.V., Amsterdam... With the exception of the last chapter the text was written by Peter van Campen."

Centerstapled: [29], [1 blank], [1], [1 blank]p; 17 photos, some in monochrome; one is a photo of I J Asscher(front); other photos bordered in col; text orns & headpcs in col. Stiff, white paper wrap, with blue vignette on cover & black lett; small blue & black gem & black lett back cover. 19 x 18 cm(7 3/8 x 7 in). Cut. JSL.

Promotional pamphlet: general remarks on diamond, cleaving, sawing & other manufacturing process as done in their plant. There is a brief section on the Cullinan which was cut by this firm. Interesting contemporary photos of the plant and some of cutting the Cullinan.

6807. VANDERHEYM, ÉMILE Notice historique sur les joyaux de la Couronne et objets des sacres exposés au Musée national du Louvre [Paris], Galerie d'Apollon. Avec une préface de Gaston Calmette. Paris, Impr. nat., libr. Bourloton, 1889. 4°: IV-69 p, fig. Not seen; from Marquet De Vasselot, *Bibliogr de l'Orfevrerie*, 1925, p 53.

VANDERHEYM, E, see JANNETAZ, P M E

6808. VAN DER LAAN, H L

The | Sierra Leone | Diamonds | An Economic Study covering | the years 1952-1961 | H.L.van der Laan | Published on behalf of Fourah Bay College, | the University College of Sierra Leone by the | Oxford University Press | 1965

8°: xi, [1 blank], 234, [2 blank]p; 6 sketch maps, 3 diagrs, 6 tabs; 12 photos on 4 glossy bound-in f. Brown cloth, gold spine title. Yellow dj, cover photo, resume, vita, other bks on Sierra Leone. 21.6 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. 25s net in UK only. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ill list & ackn; pref; 14 chs; concl; append; notes; biblio(p 225-8, ca 60 entries); photos; index; blank f.

First comprehensive study of the diamond industry in this country which first became important in the 1950's, but with its rise bringing a host of problems, not the least being the development of smuggling on a grand scale. The text begins with a history of the discovery and mining of diamonds, then examines the mainly alluvial deposits, the diggers and their lives, attempts to control their work, attempts to organize both mining and selling of diamonds, smuggling, and other problems which largely spring from the far from homogenous native tribal populations and their political aspirations. The author appears qualified in his subject, being lecturer in economics in the University College since 1959. Among the illustrations, maps show digging areas while photographs depict scenes in the fields.

VAN DER SCHRICK, G, see LEGRAND, J

6809. VAN DER VEEN, ABRAHAM LOUIS WILLEM EDUARD

Physisch En Kristallografisch Onderzoek | Naar De | Symmetrie Van Diamant. | [rule] | Proefschrift | Ter Verkrijging Van Der Graad Van | Doctor In De Technische Wetenschap | Aan De Technische Hoogeschool Te Delft | Op Gezag Van Den Rector Magnificus | Dr.J.Cardinaal W.I., | Hoogleeraar In De Afdeeling Der Algemeene Wetenschappen, | Voor Den Senaat Te Verdedigen | Op Vrijdag 7 Juli 1911, Des Namiddags Te 3

Uren, | Door | Abraham, Louis, Willem, Eduard Van Der Veen, | Geboren Te Padang. | [orn rule] | Leiden - A.W.Sijthoffs Uitg.-M$^{ij.}$ | 1911

8°: [2 blank], [9], [1 blank], 58 p; 49 fig; 8 pls bound-in(some fold); 3 stereo-pair photos in back cover pocket. Pale gray, paper, cover title. 27.7 x 19.1 cm(10 7/8 x 7 1/2 in). Cut. JSL. GS 11-607.

Cont: blank f; 1/2tp; tp; dedic; ackn; tab cont; introd; text in 2 parts; pls 7-8(fold).

A doctoral dissertation in the Technical High School, Delft, Holland, reporting on investigation of pyroelectricity and piezo-electricity of various crystals, but especially the diamond, and a study of the crystal forms of about 400 diamonds in the Dr G A F Molengraaff collection. The latter study begins on p 35 and is illustrated with many crystal drawings showing forms from a simple cube to those which are extremely complex, and some that are twinned. Despite suggestions in the literature, Van Der Veen confirms that diamond is in the holohedral class, isometric system.

This paper also appeared as "Die symmetrie des diamanten," *Zs Krist*, 51, p 545-90, figs, pls; not seen.

6810. VAN DER VEEN, R W Origin of the tectite sculpture and some consequences. *Verhandelingen van het Koninklijk Nederlandsch(Nederlands) Geologisch Mijnbouwkundig Genootschap*, Geolog Ser, 's Gravenhage, vol 7, no 1, Feb 1923, p 15-41, pls 1-6(photo). JSL.

Speculations on the original source material of tektites - glass or gel?; describes experiments on etching glass, then compares result to surface features of tektites, and draws conclusions. He used numerous specimens of billitonites, artificial glass, moldavites, chalcedony, etc, and depicted surfaces on the plates.

6811. VAN DER VELDE, C A De A.N.D.B. Een overzicht van zijn ontstaan, zijne ontwikkeling en zijne beteeknis, door C.A.Van Der Velde uitgegeven in 1925 door den Algemeenen Nederlandschen Diamantbewerksbond [logo] Ter Naamlooze Vennootschap Vereenigde Drukkerij Dico Te Amsterdam. 8°: VIII, [1], 784 p, 109 figs & photos. Dk blue cloth, orn lett & decorated in gold on cover & spine. 28.5 x 20.5 cm(11 1/4 x 8 in).

Extremely detailed history of the General Netherlands Diamond Workers Union: origin, development, importance, biographies of important officers, numerous portrait photos, also reproductions of organizational leaflets and other documents.

VANDERWOLF, B C, see WATSON, J F

6812. VAN DEUN, FRANS Katholieke Vlaamse Hogeschooluitbreiding Jaargang XLVII Nr 3 Verhandeling 428. Het kartel in de internationale diamanthandel (bekroond met de St.-Berlindis-prijs 1951) door Frans Van Deun licentiaat in de handelsen financiële wetenschappen [logo] 1953 Uitgeversmij. N.V.Standaard-Boekhandel Antwerpen - Brussel - Gent - Leuven. 8°: 70, [2 advert]p; col wrap, black lett & col gems on cover; black spine lett. 19 x 11.5 cm(7 3.8 x 4 1/2 in). Cut. JSL.

Cont: fwd; introd; 7 parts; concl; biblio; advert.

Recounts the inception & growth of cartelization in the diamond industry, beginning with brief remarks on the diamond and its history, and leading into a historical survey of the cartel concept in general, and the specific cartels in the diamond industry.

6813. VANE, GEORGE The pearl fisheries of Ceylon. *J Ceylon Br Roy Asiatic Soc*, Colombo, 10, 34, 1888, 14-32. In Kunz & Stevenson, *Book of the Pearl*, biblio.

VANE, G, see CEYLON GOVERNMENT PEARL FISHERY REPORTS

6814. VAN EEDEN, O R; PARTRIDGE, F C; KENT, L E & BRANDT, J W The mineral deposits of the Murchison Range, east of Leysdorp. *Union S Afr Geol Survey Mem* 36, Pretoria, 1939. Edgestapled: 152 p; 13 fig, 10 pls; fold col geol map 71.2 x 87.5 cm(28 1/4 x 34 1/2 in) in accompanying slipcase in matching paper, printed. Pale greenish-gray wrap, title on cover. 24.2 x 15.4 cm(9 1/2 x 6 in). Cut. 7s 6d, includ map. JSL. Describes geology & structure of the range, its mineralization, gold deposits, etc, but of special interest is Ch 6, 88-120, which deals with pegmatite mineralization, and more specifically, on pegmatitic deposits containing beryl & emerald, 93-113. These schist-type deposits are carefully described, including early history of discovery and exploitation, and modern mining. A list of mines is given, along with notes on geology, mineralogy, origin of emerald, characteristics of emeralds found, recovery, marketing, production statistics, etc. There is a note on artificial emeralds. The large geological map shows the locations. An important paper that not only describes these still important deposits but offers much of value on emerald itself.

6815. VAN HEESVELDE, FRANÇOIS

Un Chef-D'Oeuvre | Inconnu | D'Albert Durër | [vertical rule alongside foregoing 3 lines] par François Van Heesvelde - Anvers [Antwerp, priv publ, 1959]

Centerstapled: 26, [1 blank], [1]p; 16 "plates"(ie text figs). Pale bluish-green glossy wrap, jewel photo on cover with title. 26 x 19 cm(10 1/4 x 7 1/2 in). Cut. "Cette plaquette a été tirée à 300 exemplaires numérotés de 1 à 300, et à 300 exemplaires non numérotés."

Cont: tp; pls list; text; blank p; print data.

The author, Membre de la Commission Consultative des Musées archéologiques de la Ville d'Anvers, discovered a pendant jewel of gilt & silvered bronze, set with a carved aquamarine representing Christ bearing his crown of thorns. He sets forth convincing arguments derived from his study of the piece that it was the work of Albrecht Dürer(1471-1528), both of the metal part and the engraving of the cameo aquamarine.

6816. VAN KOOTEN, C Eerste onderzoek op diamant, Rosebel-Sabanpassie. *Medelingen van de Geol Mijnbouwkundige Dienst van Suriname*, No 11, Paramaribo, Sept 1954. 8°: 63, [1 blank]p; 43 photos on 13 tip-in & bound-in glossy f; 9 fig; 5 fold maps(1 part col) in back cover pocket; tab. Yellow wrap, cover title. 26.7 x 19.2 cm(10 1/2 x 7 5/8 in). Cut. Fl 4. JSL.

Investigated alluvial diamond deposits in an area directly S of Paramaribo in Surinam(Dutch Guiana): remarks on occurrences elsewhere, particularly in neighboring British Guiana, areal geology, explorations, details of local geology, possible diamond host rock, sampling methods, descriptions of diamonds. Photos 33-41 depict typical crystals; a table lists stones, places where found, weights, etc.

6817. VAN KUYK, J Geschiedenis van het Koninklijk Kabinet van Munten, Penningen en Gesneden Steenen te 's-Gravenhage. 's-Gravenhage, 1946, 8°: 96 p, pls. Not seen. Engraved gems included.

6818. VAN LANDINGHAM, SAM L Notes on rocks as gem materials. *Gems & Min*, no 294, Mar 1962, p 22, to Apr 1963, p 26, altogether 9 articles.

6819. -----1985

Geology Of World | Gem Deposits | Edited by | S.L.Van Landingham | Consulting Geologist/Environmentalist | Cincinnati, Ohio | [logo] | Van Nostrand Reinhold Company [New York, 1985]

Cementb: 406 p; numerous drawings, maps, photos. Bright blue cloth-type paper over bds, gilt. No dj. 25.3 x 17.5 cm(10 x 6 7/8 in). LC 83-18660; ISBN 0-442-28840-9. JSL.

Cont: 1/2tp; tp; publ data; tab cont; pref; authors list; edit vita; ch 1(10 arts); ch 2(arts 11-21), ch 3 revues of literature; author citation index; gem, mineral, rock names index; gen index.

Facsimiles of articles from several journals. Chapter 1 on origin and development of gem deposits which includes H C Lewis' article stating for the first time that diamond originates in kimberlite, also others on jadeite, agate, and chalcedony, Biggs, Oregon jasper, Ouro Preto topaz, two articles on Sri Lankan alluvial gem deposits, and J V Sanders on color in precious opal. Chapter 2 on Queensland opal deposits, Colombian emerald, Ontario kimberlite, origin of Great Lakes diamonds, California nephrite, agates, gemstones of British Columbia, graphic granite. There is no critical evaluation or supplementing remarks. The last chapter reviews published works and articles on many phases of gemology, 183-245, on a world-wide basis, with the cited literature placed in a list, 247-373, perhaps about 4,000 entries, and forming one of the largest such lists to be published. Rev *J Gemm*, 20, 1, 1986, 58.

6820. VAN LEUVEN, E P Gem lore. *Gems & Min*, no 244, Jan 1958, p 36 to no 255, in a series of 12 articles on the birthstones. JSL.

6821. -----1960

Beliefs | Superstitions | and Facts | About the | Birthstones | by E.P.Van Leuven [San Luis Obispo, CA, priv publ, 1960]

Centerstapled: 56 p. Pale gray printed wrap. 15.3 x 10.8 cm(6 x 4 1/4 in). Cut. $.5O. JSL.

"The material... appeared serially in 1958 in Gems and Minerals," and presents the twelve birthstones as approved by the Retail Jewelers of America. For each is given fragmentary mineralogical data as well as lore. Other tables of birthstones, some early, some modern, are given on p 54-5. A succinct treatment.

6822. VAN PELT, HAROLD(1925-) & VAN PELT, ERICA(1940-)

Birthday | Book of | Gems | Photographs by | Harold and Erica Van Pelt | [col photo] [Los Angeles, priv publ, 1986]

8°: 126, [2]p; 63 fullp col photos; 2 col photos after tp; small col photo of authors on last p. Cushioned paper over bds, col photos each cover, gilt title on front. Dk maroon, leather-like endp. 22.3 x 15.7 cm(8 3/4 x 6 1/8 in). Cut. LC 86-09387; ISBN 0-9616485-0-3. Also issued with slipcase covered with the endpaper material. JSL.

Cont: 1/2tp; ackn; cover caption; publ data; tp; lists; 2 col photos; fwd; text; ackn & vitas.

Typical of the superb color photography for which the Van Pelts are known, this handsome book embodies photographs made specially for it, with a number of them showing objects thus portrayed for the first time. The photographs face printed leaves, five per month, upon which appear dates but not the names of the weekdays, hence making the calendar/appointment spaces useful for any year. The photographs include cut & rough gemstones, mineral specimens & crystals, gemstone carvings, pieces of jewelry, and among the more important depictions, the Hope diamond necklace in its entirety, Empress Marie Louise's diamond necklace and her turquoise & diamond crown, Marie Antoinette's diamond earrings, an absolutely unique necklace of 53 faceted benitoites, a 20-cm agate bowl carved in cameo, and many contemporary carvings, including superb specimens carved by the Van Pelts themselves!

VAN RIPER, C K, see KRAUS, E H, et al, 1946

VARGAS, GLENN EUGENE(1914-) & VARGAS, MARTHA DANNER(1918-)

G E V educator, gem cutter, author; BA San Jose State U; 30 yrs lapidary instructor Coachella Valley schools & College of the Desert. M D V asst instructor in lapidary arts. Both are noted for promotion of lapidary arts, esp faceting.

6823. -----1969

Faceting | For | Amateurs | By Glenn Vargas | Lapidary Instructor | College of the Desert | Palm Desert, California | and Martha Vargas | All illustrations by the authors | unless otherwise credited. [Thermal, CA, priv publ, 1969]

8°: [2], viii, 330 p; 118 fig(drawings & photos); 58 gem style diagrs, each with 2-4 drawings; 20 tab. Bright green cloth, gold lett cover & spine. Green & white dj, gem cuts & b&w lett. Bright yellow endp. 26.8 x 18.5 cm(10 1/2 x 7 1/4 in). Cut. $15.00. Reproduced from typescript. JSL.

Cont: blank f; tp; publ data; dedic; fwd; ackn; tab cont; introd; 13 chs; 2 append; biblio(p 317, 17 entries); gloss; index.

The most tborough work on faceting gems yet published and based largely on the experience of many decades by the senior author. The first chapter discusses facetable materials as minerals, with remarks on composition, crystals & crystallography, and physical & optical properties of interest in faceting. The next three chapters describe faceting machines, their features, cutting & polishing laps, and accessories. Chapter 5 describes how rough is examined for suitability and good return of finished carats versus rough weight & cost. The next two chapters discuss orientation of rough to take advantage of directional differences in color and the angles and proportions to which each species must be cut to achieve best brilliancy. A chart, Fig 58, p 81, plots critical, crown and culet angles versus refractive index. Chapter 8 contains many patterns for gems with drawings and angles. The following three chapters give step-by-step instructions for faceting with a modern machine. Chapter 12 is devoted to soft stones and the special treatments necessary to facet them successfully. The last chapter provides useful remarks on the care of stones, their sale or trade, formation of a collection, etc. Appendix I, p 258-313, mineralogically describes 100 facetable materials with recommended angles and agent/lap combinations.

The second appendix contains speed tables, formulas, weights & measures, critical angle formula, and how to make dopping cement. The strongest points of this book are in discussions of merits & demerits of machines, laps, and accessories, methods, etc, based on experimentation and trial with a fair comparison made so that no one method or piece of equipment is rejected out of hand. Equally laudable are the detailed techniques, all written clearly and understandably, so that the reader is not left in doubt as to what should be done and how it is to be accomplished. The descriptions and cutting recommendations for the many gemstones cut by the authors are among the best available. Rev *G & G*, 13, 3, 1969, 103-4.

6824.-----1972

Descriptions | Of | Gem | Materials | by Glenn & Martha Vargas | Authors of | Faceting For Amateurs [Thermal, Ca. priv publ, 1972]

8°: [2 blank], x, 155 p. Dk brown cloth, gold lett cover & spine. Tan endp. Col dj, in white & green, with white & black lett; resume both inside flaps. Oblong: 17.7 x 23 cm(7 x 9 in). Cut. $7.50. LC 72-83420. Loose correction sheet. JSL.

Cont: blank f; tp; dedic & publ data; tab cont; introd & explan of terms; 6 sections; blank p.

The principal text is preceded by brief discussions of crystallography and optical & physical properties. Sections as follow: natural materials, synthetics, hardness tables, specific gravity tables, refractive index tables, and a dictionary of alternate, varietal, and incorrect names. A handy compilation of more than 250 different gem materials, which with the tables furnished and the use of simple testing aids can be identified by the reader. The correction sheet concerns herderite. Rev *G & G*, 14, 4, 1972-1973, 128. A second edition was issued in 1979, and a third in 1985.

6825.-----1975

Diagrams | For | Faceting | By Glenn & Martha Vargas | Authors | of | Faceting For Amateurs | Descriptions Of Gem Materials | All illustrations by the authors [Thermal, CA., priv publ, 1975]

8°: [2 blank], xiv, 176p; 4 fig; ca 480 line drawings of cuts. Dk blue cloth, silver lett on cover & spine; pale blue endp. Blue & white dj with line drawings; flap resume. 26.8 x 18 cm(10 1/2 x 7 1/8 in). Cut. LC 75-21404. JSL.

Cont: blank f; tp; publ data; dedici tab cont; ackn; fwd; introd; 10 sects; append; gloss; index.

By far the largest compilation of faceted gem cut-styles ever assembled, there being ca 175 distinct cuts described and illustrated with usually two or more drawings from different aspects. The introduction briefly remarks on shaping of preforms and use of transposition charts by which the cutter is able to select rotational settings for gems of 8-, 5-, and 6-fold symmetries. The text sections group cuts according to common geometrical characteristics from the extremely simple styles to those of great complexity, and also puts together a number that are so unusual that they cannot be readily classified with other cuts. Entries: note on symmetry, cutting & polishing, etc. The appendix gives numerical settings for the cuts but it is not clear why these were separated from the cuts where they belong. Issued with loose errata sheet and supplementary "Barion" cut diagrms, p 150a-150b, and another sheet requesting readers to feed back detected errors or suggestions. A later issue, called "Volume II," of different cuts appeared in 1983 @ $17.50.

6826. VARMA, C K R Etch pits and trigons on diamonds. *Phil Mag*, London, 16, 1967, 611-20, 6 fig. Studies on natural diamonds of the dodecahedral form, ibid, 621-34, 18 fig, Studies on the structure of natural diamond crystals of the cube form, ibid, 657-62, 6 fig. Trigons on diamond, ibid, 959-74, 17 fig. Evidence of nucleation in diamond growth, ibid, 17, 1968, 633-4, 2 fig. JSL.

6827. VARSHAVSKII, ALEKSANDR VLADIMIROVICH

Akademiya Nauk SSSR | Yakutskii Filial Sibirskogo Otdeleniya | Institut Geologii. | A.V.Varshavskii | Anomalnoe | Dvuprelomlenie | I Vnutrenniyaya | Morfologiya | Almaza | [logo] | Izdatelstvo "Nauka" | Moskva 1968

8°: 91, [4], [1 blank]p; 73 fig. Blue wrap, title & photo on cover. 21.3 x 13.8 cm(8 3/8 x 5 1/2 in). Cut. 54 k. Press run 1,200. USGS Libr.

Cont: tp; resume; introd; text; summ; biblio(p 89-92, ca 75 entries); tab cont; publ data; advert; blank p.

Very detailed descriptions of diamond crystals displaying anomalous internal structures with resulting double refraction.

6828. VASILEV, VIKTOR GRIGOREVICH; KOVALSKIY, VITALIY VLADIMIROVICH & CHERSKIY, NIKOLAI VASILEVICH

V.G.Vasilev, V.V.Kovalskiy, N.V.Cherskiy | Problema | Proiskozhdeniya | Almazov | [vignette] | Yakutskoe Knizhnoe Izdatelstvo | Yakutsk - 1961

8°: 151, [1]p; 21 fig, 19 tab. Col paper over bds, gray-blue cloth spine; col diamond crystal on cover with title; black spine title. 22.2 x 14.3 cm(8 3/4 x 5 5/8 in). Cut. 64 k. Press run 2,000. JSL.

Cont: tp; tab cont & publ data; introd; text; biblio (p 151-2, 35).

Discussions of diamond origin: contemporary views on origin, diamond synthesis, type occurrences(Africa, Australia, India, North America, Czechoslovakia), Yakutian diamonds, sources of carbon, kimberlite pipes, petrological features of same, mechanism of pipe outbursts, systematic recounting of diamond origin hypotheses. Flimsily bound, easily dismantled book.

6829. -----1968

V.G.Vasilev | V.V.Kovalskiy | N.V.Cherskiy | [dot] | Proiskhozhedenie | Almazov | [logo] | Izdatelstvo "Nedra" · Moskva 1968

8°: 257, [3]p; 57 fig, 25 tab. Tan cloth, title in gold & brown on cover; brown spine title. Col dj, drawing on cover with title. 21.4 x 14.2 cm(8 1/2 x 5 5/8 in). Cut. 1 3, 97 k. Press run 1,900. USGS Libr; JSL.

Cont: tp; abstract; pref; introd; 8 chs; biblio(p 250-8, 190 entries); tab cont; publ data.

Studies of the origin of diamond: geologies of diamond deposits outside the USSR, geology of Yakutian deposits, Yakutian kimberlite pipes, their petrology & mineralogy and nature of the diamonds, followed by a second part that considers theories of diamond formation, results of syntheses and bearing on the

problem of origin, sources of carbon, possible means of growth of diamond in kimberlites. The paper is essentially an enlargement of the previous work by these authors.

6830. VAUQUELIN, LOUIS NICOLAS(1763-1829)

Fr chemist, assayer; noted for early analyses of gemstones as axinite, beryls, chrysoberyl, peridot, corundum, spinel, topaz, zircon; results publ in *Ann des Mines* and/or *J des Mines*, Paris, from 1796-1800; he identified chromium in emerald.

VAVASSEUR, A LE, see LE VAVASSEUR, A

6831. VAVRA, N Bernstein und andere fossile Harze. *Zs Dt Gemm Ges*, 31, 4, 1982, 213-54, 12 ill(col photos); ca 60 ref. JSL.

Types of fossil resins, infrared transmission studies, chromography, and other methods of characterizing resins, chemistry, modes of formation, inclusions & falsifications of same, uses of amber, manufacture, occurrences, recovery, varieties, commercial types, succinite as compared to other resins. Excellent summary; references omit several recent important works as Rice, Hunger, and even G C Williamson.

VAVRIN, IVAN, see SBORNIK NARODNIHO MUZEA

VEDENEEVA, N E, see CHENTZOVA, L G

VEEN, R W VAN DER, see VAN DER VEEN, R W

VELTHEIM, AUGUST FERDINAND, Graf VON(1741-1801)

Ger antiquary; science writer; sometime supt of mines Harz Mts; hon PhD Helmstädt, 1798. Pogg 2, 1191-2.

6832. -----1793 Ueber den Herren Werner und Karsten Reformen in der Mineralogie; nebst Anmerkungen über die altere und neuere Benennung einiger Stein-Arten. Von A.F.v.Veltheim... Helmstedt, Bey C.G.Fleckeisen, 1793. 84 p. 20 cm. Not seen, from *The Herbert Clark Hoover Coll Mining & Metallurgy*, 1980, p 192, no 813. See below for a brief summary of contents.

6833. -----1793

Etwas | uber | Memnons Bildsaule,| Neros Smaragd, Toreutik | und | die Kunst der Alten in Stein und Glas | zu schneiden, | als Zusatse zur Abhandlung | uber | die Reformen in der Mineralogie. | von | A.F.v.Veltheim. | [engrav vignette of Egypt temple] | [rule] | Helmstedt, | bey C.G.Fleckeisen. 1793.

8°: 61, [1 blank], [1], [1 blank]p; A-D^8. Plain blue wrap. 19.3 x 12 cm (7 1/2 x 4 3/4 in). Cropped. JSL. Umlauts omitted, sic.

Cont: tp; blank p; dedic; text; blank p; errata; blank p.

The text, up to p 15, continues a previous discussion on the identity of certain headless statues along the facade of an ancient Egyptian temple, as shown in the titlepage vignette. It was argued that the figures represented Memnon or Hermes. The remainder of text refers to the author's *Reformen in der Mineralogie*, giving corrections and addenda on numerous topics as names of gemstones, misidentifications of gemstones because of misleading names, Nero's eyesight and his supposed use of an emerald eyeglass to improve his vision, large emerald crystals and the possibility of their use for such purpose, the ancient art of gem engraving,with remarks on abrasives used therein, large cameos, large glass pieces and engravings thereon, etc.

6834. -----1800

Sammlung | einiger | Aufsätze | historischen, antiquarischen, mineralogischen und | ähnlichen Inhalts, | von | A.F.Grafen von Veltheim, | D.b.W.W. | Erb= und Gerichts=Herrn auf Harbcke, Aderstedt, Groppen= | dorff e.c. Königl. Grossbritannischen und Churfürstl. Braun= | schweig= Lüneberg. Berghauptmanne, der Königl.Societat der | Wissenschaften in London, wie auch einiger andern | gelehrten Gesellschaften Mitgliede. | [engrav vignette] | Erster [Zweiter-] Theil. | [orn rule] | Helmstedt | bey C.G. Fleckeisen. 1800.

I:8°: [10], 268 p; the first [10]p consist of two double-f with single-f between + A-Q^8, R^6; fold engrav pl bound-in at end; 2 text fig. 19.6 x 11.7 cm(7 3/4 x 4 1/2 in). Cropped. USGS Kunz Coll, GS 34-567; Hoover Claremont Coll Collect no 812; JSL.

Cont: tp; pref; text tp; text; pl.

The second part title is the same but with a different engraved vignette and the words "Zweyter Theil."

II:8°: [4], 291, [1 blank]p; first [4]p a double-f + A-S^8, T^2; text engrav of Memnon's column p 72.

Cont: tp; tab cont; text tp to first essay; quot; dedic; text; other essays similarly with own titles but not always with dedications; blank p.

These two volumes reflect Veltheim's wide-ranging antiquarian, historical, and mineralogical interests. Mainly of value to the gemologist and gemological historian are the following essays. "Ueber die Vasa Murrina," Pt 1, p 191-218, in which he discusses views of previous writers on the still unsettled question of the identity of the material used in their manufacture, presumably some sort of stone or gem material. Veltheim presents all the ancient references that he could find, and after examining them, and the opinions of others, he concludes that it must be steatite. Pt 2, "Ueber die Reformen," etc, p 1-62, and Pt 3, "Ueber Memnon's Bildsäule, etc.," p 63-164, are described above. In another short essay, "Ueber den Hydrophan und Pantarbas," p 165-74, Veltheim described and discusses the water-absorbent features of hydrophane and notes restoration of play of color when sufficiently saturated. Lastly of interest is his "Etwas über die Onyxgebirges des Ctesias und den Handel der Alten nach Ost=Indien," p 203-62, which forms a very detailed study of probable sources of the chalcedonies mentioned by Ctesius, a Greek physician & historian, fl 5th C BC, which Veltheim concludes must have been India. All these essays are remarkable for the extensive research into a wide variety of literary sources to which Veltheim turned for his extracts. The texts are tediously verbose in places but the information retains its value. While some of the essays were published earlier as noted above, they are now considerably revised in places and both earlier versions and the present ones should be consulted.

VENETTE, NICOLAS(1633-1698)

Fr physician, professor; b La Rochelle; himself suffering from the pains of calculi he was led to study them and write the present treatise.

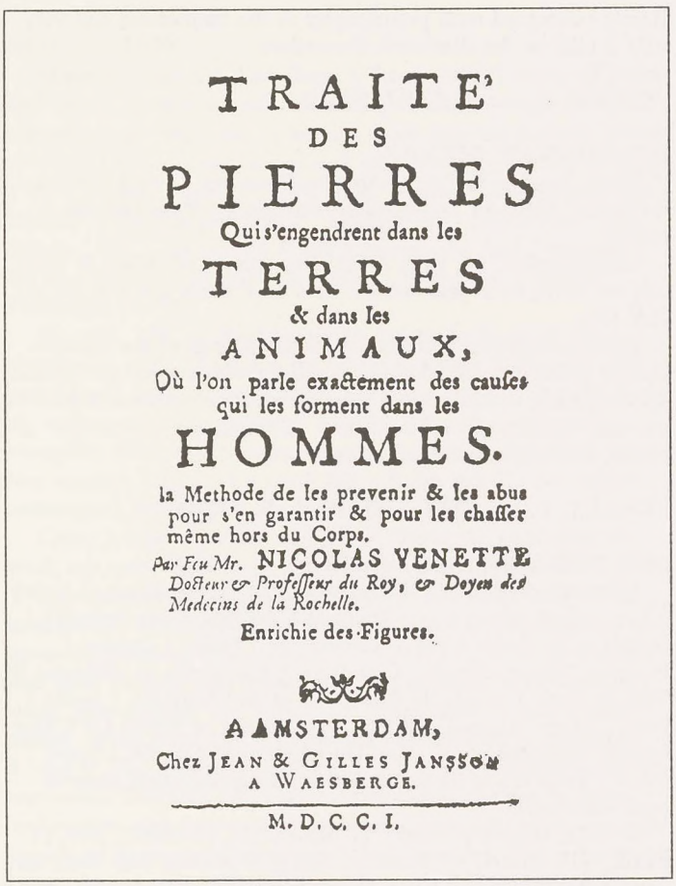
6835. -----1701

Traite' | Des | Pierres | Qui s'engendrent dans les | Terres | & dans les Animaux, | Ou l'on parle exactement des causes | qui les forment dans les | Hommes. | La Methode de les prevenir & les abus | pour s'en garantir & pour les chasser | même hors du Corps. | Par Feu Mr.Nicolas Venette | Docteur & Professeur du Roy, & Doyen des | Medecins de la Rochelle. | Enrichie des Figures. | [woodcut orn] | A Amsterdam, | Chez Jean & Gilles Janssons | A Waesberge. | [rule] | M.D.C.C.I. [title in red & black]

12°: [4], 326, [4 advert]p. Front engrav pl bound-in; 7 engrav pls (1 fold) bound-in text; ch orns, inits. 15 x 8.4 cm(5 7/8 x 3 1/4 in). Cropped. LC 11-33442. JSL.

Cont: front; tp; blank p; pref; text; tab cont; index(annot); pls placement; advert.

A quite remarkable scientific treatise on calculi but also containing numerous accounts of Venette's geological studies, and even incorporating a folding engraved plate of Mount Etna in Sicily. Venette was intrigued by the concretionary forms of calculi and similar-appearing objects elsewhere than in the human body, eg, pearls in shellfish, corals, and in the mineral & fossil kingdom, all of which suggested to him that some common cause of formation was at work, and it is this thesis that pervades the work. For example, he examines the formation of minerals and gemstones rather generally, introducing information on precious and ornamental stones, and others, postulating a "lapidifying juice" that formed minerals via aqueous processes, and then passing on to animal concretions that were also hard and similarly formed of mineral-like matter. He compares these to similar replacements to be found in fossils, corals, shark's teeth, pearls, and not unsurprisingly, in the human calculi and bezoars. A substantial dissertation on pearls 189-96, another on coral, 154-62, and on nephrite, 263-65. The frontispiece plate is a portrait of the author while the other seven plates show petrified animal teeth, sea urchins, shells, etc, with one of the plates depicting the ferociously gaping jaws of a shark which illustration apparently formed the model for the similar engraving in Mercati's *Metallotheca*, 1717, p 333, which see. In addition to the folding plate of Mount Etna in eruption there are three others on corals, making altogether seven plates, the number called for in previous descriptions of this work although according to the list at the foot of p 326 there should be another plate of bezoars at p 20. A concise summary of this work in Dezallier D'Argenville, *L'Histoire naturelle... L'Oryctologie*, 1755, 23-4; Brunet 5, 1120; Graesse 7, 276.



TRAITE'
DES
PIERRES
Qui s'engendrent dans les
TERRES
& dans les
ANIMAUX,
Où l'on parle exactement des causes
qui les forment dans les
HOMMES.
La Methode de les prevenir & les abus
pour s'en garantir & pour les chasser
même hors du Corps.
Par Feu Mr. NICOLAS VENETTE
Docteur & Professeur du Roy, & Doyen des
Medecins de la Rochelle.
Enrichie des Figures.
A AMSTERDAM,
Chez JEAN & GILLES JANSSON
A WAESBERGE.
M. D. C. C. I.

6835. Venette suffered from calculi and this present book, about human calculi and other forms of concretions, is the result

VENIALE, F, see GIUSEPPETTI, G

VENUTI, RODOLFINO, or RIDOLFINO(1705-1763)

Eminent Ital antiquary; b Cortona, became dir Albani Mus in Rome; noted for his major work on antiquities of Rome in 2 vols, 1763; also published works on medals & inscriptions. Thomas 2188.

6836. -----1736 Collectanea antiquitatum Romanorum,quas centum tabulis aeneis incisas et à Rudolphino Venuti acad.etrusco Cortonensi notis illustratas exhibet Antonius Borioni. [Romae: Rochi Bernabo, 1736]. 2°: xii, 80 p, 104 engrav pls; engrav headpcs, inits. Not seen: cited in Mariette, *Pierres gravées*, 1, 294-7, 453. A Furtwängler, *Die antiken Gemmen*, 3, 412, "contains upon plates 28-84 large, detailed ensravings of gems, one per plate, of many really good pieces but rather weakly mannered and not truly reproduced in respect to style." See also Zazoffs, *Gemmensammler*, 121-2.

VENUTI, R, see VALESI, F, et al, 1750

VERBAND DER EDELSTEIN- UND DIAMANTENINDUSTRIE, see BANK, H, 1966

6837. VERBECK, R D M Glasкögels van Billiton. *Jb Mijnwesen Nederlandsch Oost- Indië*, Amsterdam, 36, 1897, 235-72. On billitonite tektites. Not seen.

VERDIER, M F, see BELLEAU, R

6838. VERHOOGEN, JEAN or JOHN(1912-)

Comite Special du Katanga | [double rule] | Annales | Du a Service Des Mines |...[5 lines]...| Extrait du Tome IX - 1938 | Jean Verhoogen | [rule] | Les Pipes de Kimberlite | du Katanga | Bruxelles | Imprimerie Jacques Dioncre | Chaussee de Boondael, 345 | [rule] | 1940

8°: 46, [3], [1 blank]p; 3 fig(maps), 4 tab; 3 pls. Greenish tan wrap, title on cover. 29.7 x 23 cm(11 3/4 x 9 1/8 in). Uncut. JSL.

Cont: tp; text; tip-in pls with explan f.

Reviews previous literature, describes geology of the pipes, features, dimensions, occurrences of diamond, minerals found in concentrates, origin of diamonds, petrology of kimberlites, origin of same, inclusions in the kimberlites and summary.

Mainly concerned with petrography of the kimberlites and very little is said on the diamonds themselves.

VERLET, C, see ALCOUFFE, D

6839. VERLET, PIERRE

The | Apollon Gallery | And Its Treasures | [star] | Summary Guide | Éditions Des Musées Nationaux | Paris [nd, ca 1954]

Centerstapled: 21, [3]p. Gray wrap, photo of crown & white title on front; back plain white. 21 x 13.5 cm(8 1/4 x 5 1/4 in). Cut. JSL.

Describes interior architecture & furnishings of the Apollon Gallery in the Louvre Museum, Paris, in which space are housed the remaining French crown jewels and other precious objects as crowns, rock crystal and hardstone carvings, the Regent diamond, Hortensia diamond, sword, etc.

VERLET, P, see STEINGRÄBER, E, 1968

6840. VERLEYE, LÉON(1872-)

Bijouterie-Joaillerie | et Industries qui s'y rattachent. | [rule] | Les [rules] | Pierres [underlined] | Précieuses [underlined] | [rules] et les Perles | par Léon Verleye | [rule] | Origine, Histoire, Valeur, Emploi, Imitations | Comment on distingue le Vrai du Faux | Guide du Marchand et de l'Acheteur | [rule] | Paris | Henri Renaud, Editeur | [masthead of Revue De L'Horlogerie-Bijouterie] | 54, Rue Du Chateau-D'Eau, 54 | [rule] | 1913 | Tous droits de traduction et de reproduction réservés pour tous pays.

8°: XIII (first 2 p blank), [1 blank], [1], [1 blank], 249, [1 blank], [13 advert], [1 blank]p; 56 fig; 9 photos. Pale blue, stiff paper wrap, elaborate hand-drawn & lett title on cover in dk blue(necklace surrounding title); dk blue beetle jewel in frame on back cover; blue lett spine; advert inside covers. 17.8 x 11.5 cm(7 x 4 1/2 in). Cropped(?). All paper badly browned, brittle. Fr 4.- JSL.

Cont: blank f; 1/2tp; tp; pref; jewel photo; text; tab cont; blank p; advert; print data; blank p.

A comprehensive guide to gemstones written principally for members of the jewelry trades but equally useful to the public. First appear general remarks on the history and importance of gemstones and jewels, then a large section on the properties of gemstones as crystallography, cleavage, including cleavage of diamonds, color and its causes and changes, optical properties, phenomenal gems, and other topics. Next are descriptions of gemstones followed by short sections on synthetics and imitations, doublets, false pearls, origin of gemstones, lapidary treatments, evaluation of cut diamonds, mounting stones, and the pearl. The last section is curious lore. Verleye embodies a great deal of useful information but it is poorly organized. His works, nevertheless, were successful and remained in print for many years.

6841. -----1926, new edit

Bijouterie-Joaillerie | et Industries qui s'y rattachent | [rule] | Les Pierres Précieuses | Et Les Perles | Par | Léon Verleye | Origine, Histoire, Valeur, Emploi, Imitations | comment on distingue le Vrai du Faux | [orn rule] | Guide Du Marchand Et De L'Acheteur | [orn rule] | Librairie Centrale Des Sciences | Girardot et Cie | Anciennes Maisons J.Michelet et L.Gotty | 27, Quai des Grands-Augustins, Paris (VI^{e}) | [rule] | Tous droits de traduction et de reproduction réservés pour tous pays.

No date, but a label pasted to spine is dated 1926.

8°: XI, [1 blank], 227, [1 blank]p; 57 fig. Pale yellow-tan heavy paper wrap, title in red & black on cover; other publ bks back cover; lett & ruled spine, printed label in green ink pasted on. 18.7 x 11.8 cm(7 3/8 x 4 5/8 in), Uncut. GS 33-234; JSL.

Cont: 1/2tp; tp; pref; blank p; text; blank p; index; blank p.

Rewritten in many places with considerable rearrangement of contents to bring related materials together; omits most photographs.

6842. -----1910 Le bijoutier a l'établi... Paris, 1910. Not seen: USGS Kunz Coll, GS 34-238

6843. -----19-(?). 2nd edit; not seen

6844. -----1922, 3rd edit

Bijouterie-Joaillerie | et Industries qui s'y rattachent | Le Bijoutier | A L'Établi | Manuel Pour L'Apprentissage | Et Le Prefectionnement | Par | Léon Verleye | [rule] | Ouvrage indispensible à ceux qui composent, fabriquent, | raccomodent et vendent des bijoux | [rule] | Dessin, Modelage, | Travail du métal depuis la fonte du lingot jusqu'au poli et serti | Dorure, Gravure, Ciselure, Émail, etc. | [rule] | 3^{me} Édition | [rule] | Paris | Henri Renaud, Éditeur | 47, Boulevard De Sébastopol, 47 | [rule] | 1922 | Tous droits de traduction et de reproduction réservés pour tous pays.

8°: [2 blank], VIII, 236, [2 blank]p; 26 fig("planches"), Pale blue- gray wrap, dk blue title on cover over green shop scene; spine title; advert back & inside covers. 18.7 x 12 cm(7 3/8 x 4 3/4 in). Uncut. Fr 8. JSL.

In part derived from his previous work, a practical manual for the apprentice manufacturing jeweler, furnishing a general survey of the materials, tools, and techniques, with gemstones treated on p 37-52, but only cursorily.

6845. -----1926

Léon Verleye | La Bijouterie de Fantaisie | Les Matières Les Plus Diverses Et Les Procédés De Fabrication Les Plus Différénts | Dans La Parure | Tout ce que doivent connaître le Fabricant | l'Artisan et l'Amateur | Librairie Centrale Des Sciences | Desforges, Girardot et C^{ie} | 27 et 29, Quai Des Grands-Augustins, Paris (VI^{e}) | 1926

8°: VIII, 295, [1 advert]p; 76 fig. Print wrap. 18.5 x 11.5 cm(7 1/4 x 4 1/2 in). Cropped.

In two parts, the first on materials and the second on techniques. Within the first part is a chapter "La Verre, L'Email, La Ceramique," 35-93, containing much on imitation gems made from glass, synthetic gem material, doublets, marcasite and its cutting, opaque gemstones, marbles, pearl & nacre, imitation pearls, coral, amber, jet, meerschaum, shell and horn.

6846. VERMEULE, CORNELIUS C

Cameo And Intaglio | Engraved Gems From The | Sommerville Collection | Cornelius C.Vermeule | The University Museum | Philadelphia · Pennsylvania [along left-hand margin:] 30 November 1956 · 31 March 1957 [1956]

Edgestapled: [1] glossy f tp & photos + [18]f pale grayish-brown textured stock of lett catalog & final 3 pages blank + [1] glossy f(photo r, verso blank); 7 photos. Pale blue, ribbed, thick paper wrap, sketch of cameo & title in black on cover, the sketch extending to back cover which also bears black lett. 21.6 x 15.3 cm(8 1/2 x 6 in). Cut. JSL.

The reader is introduced to the art of gem engraving and its development, a few biographical notes on Sommerville(whose

works see elsewhere), and notes on his collection. The catalog briefly describes 650 gems, giving identities, materials, and catalog number.

VERNADSKY, VLADIMIR IVANOVICH(1863-1945)

Russ mineralogist, geochemist, grad St Petersb U 1885; prof Moscow U 1890-1911; dir State Radium Inst Leningrad 1926-38; a founder of biogeochemistry. DSB 13, 616-20.

6847. -----1908 O vorobeyevite i khimicheskom sostava berillov. *Trudy Geol Muz Akad Nauk*, Moskva, t 2, vyp 5, 1908, 81-102; also in *V.I.Vernadskii Izbrannye Sochineniya*, t 4, Moskva: Izdatelstvo Akademii Nauk SSSR, 1959, p 142-55. On vorobeyvite, the alkali pink beryl which later received the varietal "morganite," from G F Kunz, and the chemical composition of beryls.

VERNEUIL, AUGUSTE VICTOR LOUIS(1856-1913)

Fr chemist; in 1873 lab asst to Edmond Frémy(1814-1894); BS 1875, MS 1880, PhD 1886. See "The story of Verneuil," *The Gemm*, 24, 293, 1955, 228-9, portr; 294, 13-16; 295, 31-34.

6848. -----1904

Mémoire | Sur La | Reproduction Artificielle Du Rubis | Par Fusion, | Par A.Verneuil. | [orn rule] | Paris | Gauthier-Villars, Imprimeur-Libraire | Du Bureau Des Longitudes, De L'École Polytéchnique, | Quai des Grands- Augustins, 55. | [rule] | 1904 [cover title]

"Extrait des Annales de Chimie et de Physique, 8^{e} serie, t.II; septembre 1904."

8°: 30, [1], [1 blank]p; 6 fig. Pale yellow-brown wrap, title on cover; other bks of publ back cover. 22.8 x 14.2 cm(9 x 5 5/8 in). Uncut.

Reprint of Verneuil's celebrated description of his flame-fusion process for manufacturing boules of synthetic ruby. Discusses history of attempts to melt alumina, the conditions for obtaining solid & transparent alumina, description of apparatus, with drawings of same, preparation of the chromated feed material, operating procedure, properties of the ruby.

6849. VERNIER, ÉMILE La bijouterie et la Joillerie égyptiennes par M.Émile Vernier. *Mém Publiés par les Membres l'Inst Français d'Archéol Orientale du Caire*, t 2, Cairo, Imprimerie de l'Institut Français d'Archéologie Orientale, 1907. 4°: [5], [1 blank], VII, [1 blank], 156 p; 25 bound-in photo pls; 200 text fig. Print wrap, series title on cover. 25.5 x 27.5 cm(14 x 11 3/4 in). JSL.

Thorough & detailed: technology of the goldsmith arts as practised in ancient Egypt and the materials employed. There are brief remarks on gemstones and amber, p 23-6, also a note on emery used as an abrasive, while the techniques used in gem cutting are described both for the preparation of gems to fit into jewels or as small in-the-round sculptures, p 135-41. However, most space is devoted to metals, metallurgy, and metal-working. The fine plates depict several hundred pieces of jewelry of all types, with or without gems. Scarce.

VERRILL, ALPHEUS HYATT (1871-1954)

USA popular science writer; attended Yale U School of Fine Arts; illustrated a number of literary works; spent much of his life in travel & exploration; established a shell business in Florida.

6850. -----1939

Minerals, Metals | And Gems | [taper rule] | Also, all rocks and stones, as well as ores, crystals, | sands, clays and earths; something of their pecu- | liarities, how they are formed, where they are | found, how mined and what uses are | made of them. | By | A.Hyatt Verrill | Author Of "Foods America Gave The World," | "My Jungle Trails," "Strange Sea | Shells And Their Stories," Etc. | Illustrated From Photographs And Drawings | By The Author | [logo] | L.C.Page | Company | Boston Publishers [1939]

8°: xviii, 293, [1 blank]p; glossy col tip-in front pl; 55 sketches in text; 31 photos on 20 tip-in glossy f. Metallic copper-colored cloth, author & title on cover & spine in gold. Col dj, various mineral specimens & black lett; spine title with staurolite cross; other author bks back cover & back flap; front flap resume. 21.8 x 14.8 cm(8 5/8 x 5 3/4 in). Te cut, others untrimmed. $3.00. JSL.

Cont: 1/2tp; other bks of author; front; tp; publ data; introd; tab cont; ill lists; 11 chs; mineral gloss; index; blank p.

Popular work that consists mainly of anecdotes and stories interspersed with some information on geology, mineralogy and gemology, among other topics. Ch 7, 83-142, is on gemstones and their sources, and treats lore, uses of gems in various cultures, gem cutting, and with brief descriptions of major gemstones. Some gemstone information also appears in chapters 1, 8, and 9. The appendix glossary, 235-80, also contains gemological terms. The text, carelessly written, is incoherent in places and replete with half-truths and errors, especially when scientific aspects of gems or minerals are being discussed. The frontispiece color plate, displays 20 individual drawings of crystals and mineral specimens; it is crudely-drawn and inaccurate in several places. Despite these considerable defects the author manages to write in an easily understood and often exciting style. Possibly for this reason the book enjoyed a life far past its scientific value.

6851. -----1945, reissue Same title; front pl now on pale tan paper; captions for same moved to reverse. Green cloth, gold lett as before, same col dj. 21.7 x 14.8 cm(8 1/2 x 5 3/4 in). Te cut, others untrimmed. $3.75. JSL.

6852. -----1945 post, reissue, new publisher

Minerals, Metals | And Gems | By A.Hyatt Verrill | Illustrated From Photographs And | Drawings By The Author | Publishers Grosset & Dunlap New York [nd]

Cementb: ix, [1 blank], 293, [1 blank]p; tip-in front col pl; also 1 pl of line drawings + 55 text fig but now omitting the photo pls. Greenish paper, coarsely-grained(like burlap)over bds; red title with rules on spine. Col dj. 20.3 x 13.5 cm(8 x 5 1/4 in). Cut. Te stained dull red. JSL.

Cont: 1/2tp; front; tp; publ data; introd; tab cont; text; gloss; index; blank p. Front matter shortened & reset; text same.

6853. VERSILOV, N Opisanie priiskov lazorevogo kamnya (Lapis lazuli) v Pribaikalskikh gorakh. *Zapiski Siber Otdelenie Russk geogr obshchestva*, 1857, bk 4, p 177-86. Description of Baikal region lapis-lazuli. Not seen.

6854. -----1857, in German, under WERSILOFF. Ueber das Vorkommen des Lapis Lazuli im Baikalgebirge. *Bull Soc Nat Moscou*, 1857, v 30, pt 2, p 518-29. Not seen.

6855. VERTREES, HERBERT HARVEY(1877-)

Pearls and Pearling | By | Herbert H.Vertrees | [orn] | Fur News Publishing Co. | 71 West 23rd Street New York [all in orn double-rule frame]

8°: 203, [5 advert]p; 47 fig; 2 pls spread over 2 pages each; also several unnumb fig. Pale green cloth, title, river scene, bivalved mussel in pale yellow in foreground, all within an orn frame on front cover; spine with lett & rules. 17.2 x 12.8 cm(6 3/4 x 5 in). JSL.

Cont: 1/2tp; publ data; front; tp; pref; tab cont; ill list; 23 chs; descriptions of pls; advert. LC 13-17071.

Noting the absence of books on the practical aspects of pearl-fishing in the United States, the author, a salesman turned pearl-fisher, wrote this interesting, specifically-worded instruction manual famed for its practicality and accuracy. It remains the unique work in this field. Freshwater pearls and their mussels are described in considerable detail, with historical notes on the pearl and its position as a gemstone. Short chapters describe specific freshwater species of the USA, tell where they are to be found, their enemies, the need for conservation measures to prevent over-fishing, uses of the shells, and other subjects. From the practical standpoint, the author gives much valuable information on the equipment and implements that must be used to recover the mussels, such data based on his own pearl-fishing experience.

6856. -----1913, post, new publisher

Pearls and Pearling | By | Herbert H.Vertrees | [orn] | A.R.Harding, Publisher | Columbus, Ohio [all within similar double-rule frame]

Entirely reset, otherwise textually identical. The five pages of adverts now differ in content; paper pale tan instead of white and less glossy, with loss of sharpness in the illustrations; the cloth is very pale yellowish-gray with same design on front cover but the mussel is no longer stamped in yellow. P size smaller: 16.8 x 12.3 cm(6 5/8 x 4 7/8 in). JSL.

6857. VERWOORT, LAURENT De diamant; zijne eigenschappen en zijne bewerking. Antwerpen: Druckerij "Phenix" H.Monden, 1906. First edit(?); not seen.

6858. -----1910, Fr edit

Le | Diamant | Manuel | Du | Lapidaire | Par | Laurent Verwoort | Anvers | [orn] | 1910 | [rule] | Imprimerie "Phénix", H.Monden - Anvers.

8°: 67, [1 blank]p; 34 fig. Pale lilac, pebbled paper wrap, title in framed with orns on cover. 21.1 x 13.1 cm(8 3/8 x 5 1/8 in). Fr 2. USGS Kunz Coll, GS 34-1013.

Cont: tp; text; blank p.

Describes the properties of diamonds and diamond crystals, with almost all of the text devoted to the steps that must be taken to process the diamond from its rough form into a finished gem. There are specific instructions for cutting several common styles of cut. At the time this was the only useful instructional manual available to diamond cutter apprentices in Europe.

6859. -----1910, Ger edit

Der | Diamant | Seine | Eigenschaften | Und Seine | Bearbeitung | Von | Laurent Verwoort | Antwerpen | [orn] | 1910 | [rule] | Drück. "Phenix, H.Monden - Antwerpen.

8°: 52 p. Pale green pebbled paper wrap, title & orns in frame on cover. 21.2 x 13.4 cm(8 3/8 x 5 1/4 in). Cut. Mk 1.80. Fr 2. USGS GS 11-331.

6860. -----1924, Dutch edit Not seen

6861. -----1924, Ger edit Same title but with new date. 8°: 52 p, 6 fig; ch orns. Pale blue paper wrap, title on cover. 21 x 13.3 cm(8 1/4 x 5 1/4 in). Cut. JSL.

6862. -----1926, Dutch edit, said to be the 5th. Not seen

6863. -----1927, Fr edit, said to be the 4th. Not seen

6864. VERZAMELING VAN MODELLEN

Verzameling | Van | Modellen | Der | 23 Grootste En | Belangrijkste | Diamanten Der | Wereld.:: | [orn] | Amsterdam, Juni 1908.

3 small "Art Nouveau" line orns in vertical row on each side of the four lines beginning with "23"

Centerstapled: 39, [1 blank]p. Thick white ribbed paper wrap; title on cover in orn frame. 18.1 x 10.9 cm(7 1/8 x 4 1/4 in). Cut.

A booklet issued to advertise & describe 23 glass models of the largest and best known cut diamonds; contains a table of same, from Pitt to Dresden, with rough & cut weights, and rather detailed descriptions. Unfortunately the booklet contains no name of author or company of issue.

6865. VERZEICHNIS DER SCHMUCK- UND EDELSTEINE Göppingen, Germany: Verlag Heinz Wöhrle, 1974, 16 p. DM 1.50. Not seen; rev by M O'Donoghue, *J Gemm*, 14, 4, 1974, 197.

6866. VERZEICHNISS DER GESCHNITTENEN STEINE

Verzeichniss | Der | Geschnittenen Steine | In Dem | Königlichen Museum Der Alterthümer | Zu Berlin | [orn] | Berlin, Bei C.G.Lüderitz. | [double rule] | Gedruckt In Der Druckerei Der Königl. Akademie | Der Wissenschaften. 1827.

8°: VIII, 238 p. 19.9 x 12.2 cm(7 7/8 x 4 3/4 in). Cut. JSL.

Cont: tp; text tp; fwd; catalog.

A catalog of the plaster casts of engraved gems, prepared by the artist Reinhart, and obtainable from him, of the gems in the Stosch Collection in the Imperial Museum of Antiquities in Berlin. The gems are Egyptian(139), Greek, Etruscan & Roman mythological(1879), mythological heroes(364), ancient historical(351), festivities, vases & rings(251), navigation(86), animals(253), and abraxas & gems bearing oriental inscriptions(121). The descriptions are attributed to a Dr Bolzenthal who made German translations from the original French descriptions in Abbe Winckelmann's *Description des pierres gravées du feu Baron de Stosch*(1760).

6867. VESCELIUS-SHELDON, LOUISE

An | I.D.B. | In | South Africa | By | Louise Vescelius-Sheldon | Author Of | "Yankee Girls In Zulu Land" | [rule] | Illustrated By G.E.Graves And Al Hencke | [rule] | New York | John W.Lovell Company | 14 And 16 Vesey Street [1888]

8°: [2 blank], 206, [2 blank]p + blank f(supplied); 25 text ill & 2 vignettes in wash drawings. Pale brown cloth, gold title on

cover with a col drawing of man & woman; gold lett & decor on spine. Pale blue & dk blue floral-pattern endp. 18.4 x 12.4 cm(7 1/4 x 4 7/8 in). Cut. Stiff, glossy paper throughout. JSL.

Cont; blank f; tp; publ data; 25 chs; blank p; tab cont; 2 blank f.

Fiction, laid in Kimberley and other places in South Africa, involving romantic liaisons as well as illicit diamond buying, but with useful information in places on contemporary life in the diamond mining areas and the diamond industry.

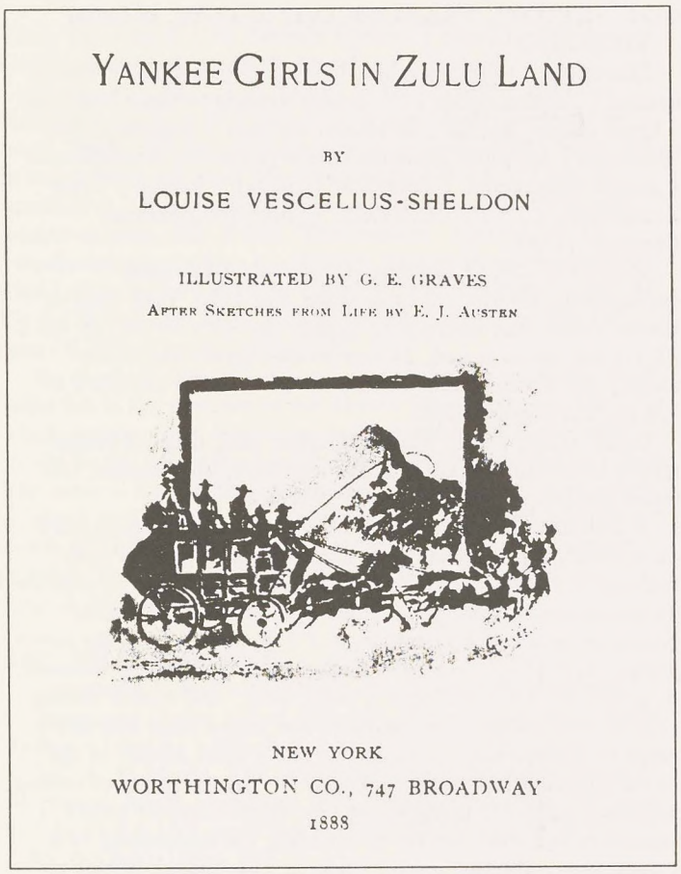
6867A. -----1888

Yankee Girls In Zulu Land | By | Louise Vescelius-Sheldon | Illustrated By G.E.Graves | After Sketches From Life By E.J.Austen | [vignette, a stagecoach in motion] | New York | Worthington Co, 747 Broadway | 1888

8°: [2], 287, [1 blank]p; 99 wash sketches as vignettes in text and as ch orns. Orange-tan cloth, three Zulus in native costumes and brandishing weapons, with gold title on front cover; native hut & gold lett spine. Dull, light brown endp. 19.2 x 13 cm(7 1/2 x 5 1/8 in). Teg; bottom uneven. Extra flyleaves. JSL.

Cont: tp; publ data; 25 chs; blank p.

Highly interesting account, written in unpretentious prose, of three American girls traveling almost continually for many months throughout South Africa, via Cape Town, Kimberley, Grahamstown, Durban, and other places, during which travels much was seen of diamond mining, marketing, and IDB(Illicit Diamond Buying). The accounts are firsthand, not of great insight, but charming and handsomely illustrated by the many lively sketches of persons, places and things. The author, Louise, in one place tells of handling the Porter Rhodes diamond of 150 carats, and in other places remarks on the Big Hole at Kimberley and the modes of mining employed.


YANKEE GIRLS IN ZULU LAND

BY

LOUISE VESCELIUS-SHELDON

ILLUSTRATED BY G. E. GRAVES

AFTER SKETCHES FROM LIFE BY E. J. AUSTEN

6867. Fictional account of adventures in the diamond region of South Africa but with much good information on mines, miners, and mining life

VESCELIUS-SHELDON, LOUISE, see SHELDON, L V

6868. VESELKIN, V P Ob Uralskikh kustarnikh kamneobrabotyvayushchikh promyslakh. *Otchety I Issledovaniya po Kustarnoy Promyshlennosti v Rossii*, St Petersburg, t 10, p 1-21, Not seen; on the Urals industry for processing ornamental and other stones.

6869. VETERIS GEMMAE

Veteris Gemmae | Ad Christianum Usum | Exscalptae | Brevis Explanatio | Ad | Academicos Etruscos | Cortonenses | [engrav vignette] | Romae | Ex Typographia Rochi Bernabò, MDCCXXXII. | [rule] | Praesidem Facultate.

4°: 11, [1 blank] p; A^6; 6 engrav pls. 23.3 x 17 cm(9 1/4 x 6 3/4 in). Cut. Several pls printed on considerably smaller ff. Engrav init. JSL.

Cont: 1/2tp; tp; quot; text; pls.

Describes antique engraved gems in the collection of the Etruscan Academy of Cortona, Italy. The title vignette is of gems, shown in front & back views, and within an elaborate frame, while the plates display the gems with size scale and one plate depicts front & side views of an urn.

VETLESEN COLLECTION, see NOTT, S C, 1939

6870. VETTERMANN, ANTON

Gedanken | über die | Entstehung | der | Edelsteine, | über den | Grund- und Urstoff, Bildung, Bestandtheile | und Vaterland, | eine | historische Beschreibung | wie die Edelsteine aus ihren rohen und | durch die Kunst in den brillanten Zu- | stand versetzt und nach Karaten | geschätzt werden konnen. | [rule] | Belehrende Ausgabe | in | Fragmenten, | geschrieben für | Steinliebhaber und Natur- | freunde, | von | Anton Vettermann. | [rule] | Nebst einem Kupfer. | [double-rule] | Dresden, gedruckt bei Carl Schultze. [no date]

8°: [9], [1 blank], [1]p + p IV + [1]p + p 6-46 + [2]p. Front litho pl tip-in. 17.4 x 10 cm(6 7/8 x 3 7/8 in). Cropped. USGS Kunz Coll, GS 34-479.

Cont: front; tp(supplied f); dedic; errata; pref; text; index.

The frontispiece copies a similar plate in J B Tavernier, *Les Six Voyages*, as in the Paris edition of 1679, with the beginning text remarking on Tavernier's travels in search of precious stones. After these remarks appears a discourse on gemstones in general, but the main body of text is devoted to syetematic descriptions of diamond, ruby, spinel, sapphire, emerald and other major gemstones, with less space devoted to those of lesser rank and the ornamental materials. The remarks include chemical composition, origin, etc. As may be expected by the use of "fragments" in the title, the treatise is a potpourri and it suffers from poor organization in places. Rare.

6871. VETTORI, FRANCESCO(1710-1770), in Latin: VICTORIO

Dissertatio | Glyptographica | Sive | Gemmae Duae Vetustissimae | Emblematibus | Et Graeco Artificis Nomine Insignitae | Quae exstant Romae | In Museo Victorio | Explicatae, Et Illustratae | Accedunt nonnulla veteris elegantiae, & eruditionis | inedita Monimenta. | [woodcut vignette] | Romae | Typis Zempelianis. CIↃ IↃ CC.XXXIX. | [rule] | Superiorum Permissu. [1739]

4°: XXVI, 129, [1 blank]p; pi^4, b-c^4, d, A-Q^4, lambda(supplied). Engrav 1/2 tp supplied, dtd 1735. Fold diagr of bronze tablet with inscriptions (image size 42 x 54 cm, 16 1/2 x 21 1/2 in), tip-in at end; 14 text wood-engravs, numerous diagrs, also woodcut inits & ch orns. 27.9 x 20.6 cm (11 x 8 1/8 in). Large paper. JSL.

Cont: 1/2tp; engrav 1/2tp; tp; quot; pref; diagr of bronze tablet; monitum; tab cont; ill list; corollary; imprimaturs; text; index; colophon; errata(supplied); blank f.

A collection of essays on the beauty of engraved gems, earliest known gem engravers, gem engraver Aulus and his work, customs & beliefs in connection with engraved gems, in addition to descriptions of two gems in the collection. Considerable comment, much of it favorable, in P J Mariette, *Traité des pierres gravées*, 1, p 415-7, and by A Furtwängler, *Die antiken Gemmen*, 3, p 412, the latter calling it a "solid work," and further stating that "in this treatise... he combined not only a most instructive series of antiquarian discourses but also a short history of the newer glyptic art as well as a treatise on the technique of cutting engraved gems. He inveighed against falsifications of artist's signatures but went too far by doubting the authenticity of a certain gem... the two gems owned by him, signed, belong to the most surely genuine that we know of. " Vettori's name, as such, does not appear anywhere but can be inferred from the name used by him in the title, ie, "Victorio." See also Zazoffs, *Die Gemmensammler*, 120-1. USGS Kunz Coll, GS 33-351, enters this work as "ROME(CITY) MUSEO VICTORIO..."

6872. VEVER, HENRI(1854-1942)

La | Bijouterie Française | Au XIX^{e} siècle | (1800-1900) | Par | Henri Vever | Bijoutier-Joaillier | [rule] | I[-III] | Consulat - Empire - Restauration - Louis-Philippe | [small photo vignette] | Paris | H.Floury, Libraire-Éditeur | I, Boulevard Des Capucines, I | [rule] | 1906[-1908] | Tous droits de traduction et de reproduction réservés. [title in red & black]

8°: [2 blank], [3], [1 blank], 383, [1 blank], [1], [1 blank]p; 51 photo pls bound-in; ca 350 text photos. Ch orns, orn inits. Pale gray thick paper wrap, inward-fold flaps, with Art Nouveau lett & decor. 28.3 x 19.1 cm(11 1/8 x 7 1/2 in). Uncut. Glossy paper. Verso 1/2tp: "Il A Ete Tire De Cet Ouvrage | Mille Exemplaires Numerotes De I A 1000 | [rule] | Exemplaire N° 961." JSL. LC 10-27886.

Cont: blank f; 1/2tp; limited edit note; tp; text; index; pls list; figs list; tab cont; blank p; press data; blank p.

La | Bijouterie Française |...| II | Le Second Empire |...| 1908 |...

8°: [3], [1 blank, 336, x p; ca 350 text photos(no pls); ch orns, orn inits. Pale yellow thick paper wrap, dec & lett as before. This volume paged continuously with Vol III. Tp vignette photo differs.

Cont: 1/2tp; print data; tp; blank p; text; ill list; tab cont.

La | Bijouterie Française |...| III | La Troisième République |...| 1908 |...

8°: [3], [1 blank]p + p [337]-810 + [1], [1 blank]p; ca 510 text photos (no pls); ch orns, orn inits. Pale orange thick paper wrap, dec & lett as before.

Cont: 1/2tp; blank p; tp; text; index; ill list; tab cont; print data; blank p.

One of the great books on the history of jewelry, in this instance, the work of the famous founder of the jewelry establishment bearing his name in Paris, noted principally at the turn of the century for his splendid Art Nouveau style jewelry. The three volumes are astonishingly detailed and reflect the enormous amount of research that went into their preparation and are further remarkable for the numerous high quality photographic and other illustrations that grace their pages. As large as the work is, it only covers a century in French jewelry design but perhaps that which produced the largest variety in jewels and ornament in a period of prosperity and enlightenment. The emphasis is on the development of style and costume, and finds very little relating to the raw materials used, their manipulation, and the gemstones and enamels used in the decoration. However, the diligent gemologist will find scattered throughout useful references to famous gems, persons, and jewelry pieces, among them the French crown jewels, and some famous diamonds.

6873. -----1976 Reprinted in Florence: 4°: 1, 193 p of text, 1,275 figs, and 51 pls. Not seen.

6874. VIALET, GEORGES Les cooperatives ouvrières de production à Saint-Claude. (Diamantaires et pipiers.) Paris: Les Presses Universitaires de France, 262 p, 8° (1925?). "A valuable study of the diamond-cutting industry in Paris. Bibliography." Not seen.

6875. VICTOR, ARTHUR EARL & VICTOR, LILA MAE Gem tumbling. Fifteenth edition. Victor Agate Shop, 1709 Cedar Street, Spokane, Washington 99203. Centerstapled: 58, [1], [1 blank]p; ill. 23 x 15.2 cm(9 x 6 in). Cut. Paper wrap, $2.00. JSL.

On how to select rough, shape it, and then make tumbled gems, with detailed instructions for all steps. Provides advice on solving problems and specific choices of abrasive and speeds for specific gemstones. With advice on how to make tumblers at home. The second part gives instructions on making jewelry from tumbled gems.

VICTORIO, see VETTORI

6876. VICTORIUS, PETRUS(1499-1585) Sanctorum septem dormientium historia ex ectypis Musei Victorii expressa; dissertatione et veteribus monimentis sacris profanisbusque illustrata. Romae: ex Typographio Pagliariniano 1741. [4], xxxii, 90 pp, ills., 26.5 cm. A second engrav tp. Not seen: from *Metropolitan Mus Art Cat*, vol 9.

6877. VIELSACK, ROBERT(1890-)

Der Edelsteinmarkt. | [double-rule] | Inaugural-Dissertation | zur | Erlangung der Doktorwürde der hohen philosophischen | Fakultät der Ruprecht-Karls-Universität zu Heidelberg |

vorgelegt von | Robert Vielsack. | [rule] | 1916 | Buchdruckerei J.Knoblauch | Pforzheim.

8°: [2], 66 p. 21.5 x 14.4 cm(8 1/2 x 5 3/8 in). Cut. USGS Kunz Coll, GS 34-568.

Cont: tp; vita; dedic; fwd; tab cont; biblio(p 4, ca 30 entries), text.

The first of three parts defines gemstones in several pages, the second part discusses natural gemstones and their sources, while the third part gives a general statement on synthetic gemstones, remarking on those made in Germany in particular, and the problems caused in the marketplace by their competition with natural gemstones.

6878. VIENNA. KÖNIGLICHE KAISERLICHE MÜNZ- UND ANTIKEN-KABINETTE Vier Übersichts-Blätter zur Beschreibung der geschnittenen Steine im K.K. Münz- und Antiken- Kabinette, Wien, 1845. Cdbd folder with 4 engrav pls showing outline drawings of the engraved gems in the Imperial Cabinet in Vienna. JSL.

6879. VIENNA. KUNSTHISTORISCHES MUSEUM Die antiken Gemmen des Kunsthistorischen Museums in Wien. München, Prestel. 1973. Plates. Bd.l. Die Gemmen von der minoischen Zeit, etc. by Erika Zwierlein-Diehl (Which see). Not seen; from Arntzen P593.

6880. VIENNOT, P C Le diamant. *Ann Soc Linéenne de Maine et Loire*, Angers, 1879, p 100-55. Not seen.

VIKING PRESS, see JEWELRY ANCIENT TO MODERN

6881. VILLA, ANTONIO(-1885) Sull'origine delle perle e sull possibilita di produrle artificialmente. *Politecnico*, Milano, 1860, Fasc 48, 19 pp. Not seen.

6882. -----1863

Des Perles | De Leur Origine | Et De | Leur Production Artificielle | Par | Antonio Villa (De Milan) | Traduit de l'italien | Par Timothée Coutet | Rédacteur de la Science Pittoresque. | [orn rule] | Paris | Librairie Centrale Des Sciences | Leiber, Éditeur, Rue De Seine, 13. | [rule] | 1863

Centersewn: 32 p. 18.5 x 11.7 cm(7 3/8 x 4 5/8 in). Uncut. USGS Kunz Coll, GS 34-314, Cont: 1/2 tp; tp; text. P 32: "Mémoire lu à l'Athenée des sciences, lettres et arts de Milan, 12 18 mai et le 10 juin 1860."

Entirely devoted to the biology and anatomy of the pearl oyster, the production and character of nacre, and of pearls.

VILLAFANE, ARPHE DE, see ARPHE DE VILLAFANE

6883. VILLEFOSSE, HÉRON DE Éloge des pierreries. Paris: Cartier, 1947. 4°: 2 vols, 46 + 23 p. Text fig; loose col pl, a lithograph after an original by André Derain(1880-1954), the French postimpressionist artist and Fauvist. Numbered edition. Published to celebrate Cartier's 100 anniversary. Not seen.

6884. -----1947, Engl edit

Héron De Villefosse | A Tribute | To | Precious Stones | With An Original Lithograph | By André Derain | Translated From The French | By Barbara Watkins | [orn] | 1947 | Cartier [Paris; title in red & black]

4°: unsewn: 45, [2], [1 blank], [1], [7 blank]p; col litho facing title (21.4 x 17.2 cm). First & last blank f enclosed by wrap. Thick, pale tan ribbed paper wrap, inward-fold flaps; title in red & black on cover. 29 x 24 cm(11 3/8 x 9 1/2 in). Ae untrimmed. Dk red, glazed paper-covered slipcase; triple-rule frames on sides. JSL. P [6]: "This edition... Limited To 28 Nominative Copies Not On Sale On Marais Hand Wove Paper, Plus 1,472 Copies On Creve Coeur Paper, Numbered From 1 To 1,472 Not On Sale, And Offered By Cartier On The Occasion Of Their Centennial Copy N° 737."

An excellent example of tasteful, skilled printing whose chief value lies in the presence of the Derain lithograph, and for which reason copies have been fetching prices far higher than would be the case if the merits of the text were considered alone. The latter is a romanticized appreciation of gemstones in general, citing ancient lore, and, rather curiously, studded with French words & phrases, which, however, are collected into a section entitled "Translation Of The Quotations" and there explained in English. Complete copies are now very scarce.

6885. VILLIARD, PAUL

Gemstones | And | Minerals | A Guide for the Amateur | Collector and Cutter | Paul Villiard | With Photographs by the Author | [sketch] | Winchester Press [New York, 1974]

16°; xi, [1 blank], 228 ps 28 col pls on 2 bound-in glossy f; 64 photos. Bright blue cloth, gold dec on cover; gold lett spine. Col dj. 22.8 x 15.2 cm(9 x 6 in). Cut. $7.95. LC 73-78835; ISBN 0-87691-139-4. JSL.

A general guide for beginners, treating collecting and identifying minerals, lapidary work, making jewelry, etc. The value of this work is fairly stated in a review, *G & G*, 15, 2, 1975, 64 "very generalized introduction and guide to the lapidary hobby... sections on geology and mineralogy are extremely superficial and contain numerous errors... in no way adds to our knowledge." A paperback edit issued simultaneously, ISBN 0-87691-282-X.

6886. VILLIERS, ELIZABETH The Mascot Book. London: T.Werner Laurie, Ltd, 1923. Not seen.

6887. -----1929

The Book That Brings Good Luck. [underlined] | The Mascot Book | A Popular Encyclopaedia of Bringers of Luck, with their | attendant Legends and Beliefs - Talismans from Every | Land - Eastern Lore and Mystery - Gipsy Traditions - | Ancient Love Charms and Spells - Old World Legends - | Amulets that Cure Disease and Ward off Danger - The | Astrological Influence of Birth Dates - Mascots to ensure | Business Success - the Meaning of Moles - the Mystic | Power of Colours - Jewels and Numbers, etc., etc. | By | Elizabeth Villiers | Illustrated. | [orn] | London | T.Werner Laurie, Ltd. | Cobham House, Water Lane, E.C.4. [1929]

8°: vi, 192, [2 advert]p; 25 fig. Pale blue cloth, title with swastika in black on cover; title in black, with fica, on spine. Pale blue dj, bright blue lett. 18.3 x 12.2 cm(7 1/4 x 4 7/8 in). Cut. 5 s. JSL.

Cont: 1/2tp & vignette; biblio(28 entries); tp; dedic & publ data; fwd; text; advert.

Contains a wealth of curious lore with numerous short sections scattered throughout the work that concern the occult,

mystic, curative, etc, lore of gemstones. Among books of lore this is considered one of the best.

6888.-----1973, rev, with new title

The Book Of | Charms | Elizabeth Villiers | Illustrated By Victoria Hayatt | [logo] | A Fireside Book | Published By Simon And Schuster [New York, 1973]

Cementb: 144, [2 blank]p; 50 fullp pen & ink sketches of talismans, amulets, etc. Thick paper wrap, silvered cover with an elaborate assembly of amulets, talismans, etc, in red; white title & author's name in red; back cover pale tan with red lett, resume. 24.2 x 18.4 cm(9 1/2 x 7 1/4 in). Cut. $3.95. ISBN 671-21775-5. JSL.

Cont: 1/2tp & logo; tp; publ data; tab cont; edit note; fwd; 6 chs; index; blank f.

While the editorial note states that is a "slightly abridged version of the original... with contents classified under suitable chapter headings," considerable matter originally present is omitted and that which remains is rearranged to such an extent that the resemblance to the original is tenuous at best. However, conveniently for gemologists, all major references to gemstones now appear in a long chapter entitled "Stones, Jewels & Beads," p 45-72, and within same short sections treat abraxoid gems, jade, amber, quartz family gemstones, garnet, beryl, diamond, and others.

6889. -----1927, Ger edit, with PACHINGER, A M

Elizabeth Villiers | Amulette und Talismane | und andere geheime Dinge | Eine volkstümliche Zusammenstellung von Glücksbringern, Sagen | Legenden und Aberglauben aus alter und neuer Zeit/ Talismane | aus aller Herren Länder / Orientalische Volkssagen und Mysterien | Alte Liebesamulette und Zaubermittel / Amulette, die Krankheiten | heilen und vor Gefahr schützen / Der astrologische Einfluss | der Geburtsdaten, die Bedeutung der Muttermale | Die geheimnisvolle Macht der Farben, | Juwelen, der Zahlen usw. | bearbeitet und erweitert von | A.M.Pachinger | Mit 138 Abbildungen auf 26 Tafeln | und einer Titelbilde | [logo] | Drei Masken Verlag | Berlin / München / Wien [1927]

8°: 314, [2 blank], [1 advert]p; tip-in front pl; 138 ill on 26 tip-in pls. Unfin black cloth, gold lett on cover with gold amulet set with blue stone; gold lett, rules on spine. 21.2 x 16.2 cm(8 3/8 x 6 3/8 in). Cut. Te stained blue. JSL.

Cont: front; tp; publ data; poem; source of objects used in ill; fwd; text; index; pls index; blank f; advert.

Pachinger, who wrote the forward, describes his search for a comprehensive book of the kind herein described and his lack of success until he discovered Villier's *The Mascot Book* although this title is nowhere mentioned. Using it as the basis, he augmented its content considerably and added new illustrations of objects primarily from his personal collection. The result is an encyclopedic compilation on amulets and talismans, the materials from which they are made, their attributes, powers, uses, etc, and including the various gemstones, curative stones, magical stones, and the birthstones, as well as others to which magical, preventive, or curative powers have been attributed. This edition is far more useful to the gemologist investigating curious lore of gemstones than its predecessor. I have seen a reprint, sans date, in pale blue unfinished cloth, with the ornamentation and lettering in dark blue only; the content is the same.

6890. -----1957, Ital reprint Amuleti, talismani... Milano. Not seen.

6891. VILLIERS, JOHN DE & SÖHNGE, P G The geology of the Richtersveld (Die geologie van die Richtersveld). *Union of S Afr Dept Mines Geol Survey Mem* 48, Pretoria, 1959. Edgestapled: XII, 295 p; 16 fig, 38 pls(part fold). Pale green printed wrap, cover title. 24.1 x 15.4 cm(9 1/2 x 6 1/8 in). Cut. £ 1. 15 s. 6d. JSL.

Geological-mineralogical description of alluvial diamond deposits along Atlantic Ocean coast in NW corner Cape Province, p 219-43, with 4 photos, 8 figures, and fold sketch map of "State Alluvial Diggings, Alexander Bay," located at mouth of Orange River bound-in at end. The authors do not believe that the diamonds were transported from inland sources via the Orange River.

6892. VINCENT DE BEAUVAIS, or VINCENTIUS BELLOVACENSIS(-1264) Dominican father, of whom little is known; he was sub-prior in the Dominican monastery at Beauvais in 1246. His major work, an encyclopedia entitled *Speculum naturale*, may have been finished by ca 1250, but this date is disputed (see Thorndike, *History of Magic*, 2, ch 56, 457-76, who also examines his life, content of his works, and his sources). *Biogr Univ*, 49, 119-27. The work is in three parts and contains an astonishing amount of information gleaned from earlier sources, particularly Pliny. There is a book on stones and Thorndike briefly comments on the portion devoted to the virtues of gems, ibid, 469-70. A folio volume of part of this work is said to have been printed in Norimberga (Nürnberg) in 1483, and another edition in Strasburg, ca 1481, not seen.

6893. VINCI, ALFONSO

Alfonso Vinci, Diamanti (Gran Sabana-Caroní), "Leonardo Da Vinci" Editrice, Bari, 1957. [In the series "All' insegna dell'-Orizonte, Viaggi e Avventure, No. 15."]

8°: [2 blank]p + p[3-6] + p 7-396 + [1], [3 blank]p; front map of Gran Sabana, Venezuela, part col tip-in; 49 photos on 16 tip-in f; 13 fig(3 sketch maps, 6 geol cross-sects). Stiff, col paper wrap, inward fold flaps. Also in cloth. 24 x 17 cm(9 1/2 x 6 3/4 in). Paper Lire 2500, cloth 3000.

Detailed account of author's explorations for alluvial diamonds in various headwater streams of the Orinoco River, and more specifically, in the Caroni River headwaters close to the Brazilian border. The text, from page 9 to 355, is followed by a glossary of technical terms, including the scientific/geological, botanical, and native. Written with authority and considerably superior in substance and style to most similar works which treat diamond-hunting in this region.

6894. VIOLA, C Lichtbrechungsverhältnisse des Turmalins. Zs Krist, 36,120-37, figs. Not seen.

VISCONTI, ENNIO QUIRINO, or ENNIUS QUIRINUS(1751-1818)

Ital polymath, archeologist, diplomat; educ solely by father who was prefect of antiquities, Rome; as child prodigy mastered Greek, Latin before age 5; transl ancient writings in teen yrs; stud numerous languages; upon Fr occupation Rome, 1797, appted minister of interior, later sent to Paris where he became prof archeol & overseer in Louvre. Numerous works listed in *Biogr Univ*, 49, 251-66(portr), but his observations on antique engraved gems are relatively minor and scattered.

6895.-----1793 Osservazioni di Ennio Quirino Visconti sopra un antico cammeo rappresentante Giove Egioco. Padova, Stamperia del Seminario, 1793. 4°: 52 p; pl; 25 cm. Not seen, from LC 12-11886. Study of a cameo of Jupiter.

6896.-----1829, collected works in: *Opere varie italiane e francesi raccolte e pubblicate per cura del Dottor Giovanni Labus*, vol 2, 1829: 1. "Osservazioni sul catalogo degli antichi incisori in gemme," 2, p 115 ff. Not seen, from A Furtwängler, *Die antiken Gemmen*, 3, 423. 2. "Esposizione dell'impronte di antiche gemme raccolte per uso di S.E. il Sig. D.Agostini Chigi," 2, 143-371, not seen. Of this last, C W King, *Antique Gems and Rings*, 1872, 1, 468, says "a detailed description of 573 + 81 casts of the most important gems known at the beginning of this century, in all cabinets, full of instruction, both as to the subjects and the styles of art of the originals." Furtwängler, ibid, "contains a review, with text, of a collection of impressions which he had assembled for Prince Chigi, mostly from the Dehn impression collections." See also Zazoffs, *Gemmensammler*, 191. 3. "Catalogo delle gemme antiche di S.A. il Sig. Principe Stanislao Poniatowski, " vol 2, 372-86. Not seen.

VISCONTI, E Q, see WORSLEY, R

6897. VISCONTI, P E Notizia delle opere dell'inscisore in pietre dure ed in coni Cav. Giuseppe Girometti. Rom: 1883. 36 pp. Paper wraps. 23 x 15 cm. Not seen, from Thomas Heneage, London, Cat 2, 1981, no 140, p 18.

VISHNEVSKII, V N, see GRUM-GRZHIMAILO, S V, et al

6898. VISSER, D J L The geology and mineral deposits of the Griquatown area, Cape Province. *Union S Afr, Geol Survey, Explan Sheet* 175(Griquatown), 1958, p 1-72, 3 pls. Describes the famous tigereye deposits.

6899. VISSER, J M

Bijdrage Tot De Kennis Van Het Medische, | Para-Medische En Occulte Gebruik Van | Edelsteenen En Mineralen. | 1ste Deel "De Kwartzen" [underline] | door | J.M.Visser - Den Haag. | Uitgave Mineralen Bulletin | Noordeinde 156 - Den Haag. | Copyright J.M.Visser 1966. | Nadruk ook in gedeelten, slechts na schriftelijke | toestemming van de auteur. | Vertalingsrechten voorbehouden. [priv publ; in 3 parts]

I: 8°: [3], 67 p. Bright yellow wrap, cover title. 21.1 x 16.5 cm(8 3/8 x 6 1/2 in). Cut. JSL.

Cont: tp; quot; text; blank p.

"Contributions to the knowledge of the medical, paramedical and occult applications of gemstones and minerals, Part first - the quartzes." This first part discusses folklore attached to gemstones generally, the atomic structure of crystals, esp quartz, and quartz as used in medicine. The major portion of text, however, describes the many varieties of crystalline and chalcedonic quartzes, with notes on their special applicability in the healing arts and in other areas of the occult arts. Included: obsidian, Apache tears, opal, tektites, a miscellany of information on Apostolic stones, false nomenclature for quartzes, and names used for varieties of opal. While it is obvious that much research was needed to unearth the information, Visser gives no literary sources.

II. ... | 2e Deel "Edel- En Sierstenen |...| Copyright J.M.Visser 1967...

8°: [5], 106 p. Similar wrap, size, etc. Cont: tp; quots; fwd; introd; text in 4 sections.

Visser now takes up all other minerals and gemstones but places them into groups which do not always conform with mineralogical textbook classes. In each group, the minerals are arranged alphabetically, with insertions of varietal names, also in alphabetical order. Each is briefly described and the applications in the healing and occult arts given. Many of the minerals can scarcely have any known medicinal application nor can they be old enough to accumulate a body of lore, for example, the hiddenite variety of spodumene which Visser nevertheless includes. Furthermore, the text is not free of factual errors and indicates that mineralogically at least, Visser was not as careful in research as he should have been. The last pages, 98-106, form Part IV, an alphabetical listing of species & varieties with alternative names and the name of the group in which included, but without page numbers which makes it difficult for the reader to locate specific information.

III. ... | 3e Deel "Kleuren" |... [1971; title now only on cover]

8°: [3, including cover], 56, [2 blank]p, Similar wrap, etc. Cont: cover title; quots; introd; 11 parts; list of colors vs odors; false names; biblio(p 52-6, 74 entries); publ note + loose f of corrections.

This volume takes up the nature and significance of mineral colors, providing some scientific information on such colors and causes, a list of typical colors, their symbolism in curious lore, with the major text taking up colors in quartz family minerals, and optical phenomena as asterism, chatoyancy, etc, and also the metals, and at the end including sulphur, amber, jet, red coral, pearl, and other materials. The entire work represents a great deal of research effort but its poor and often illogical organization and absence of indexes make it a difficult reference to use. In its present state, it best be described as disjointed notes which could and should be shaped into a single volume of considerable value. Rev *J Gemm*, 15, 1, 1976, 35.

VISSER, J M, see WILD, G O, 195-?

6900. VIVENZIO, or VIVENZI, PIETRO

Gemme Antiche | Per La Piu Parte Inediti | [engrav vignette] | Roma MDCCCIX [entire title engrav; priv publ 1809]

4°: titlef + 134, [1], [1 blank]p; pi, A-R^4; 31 engrav pls of gems, 1 pl of a mosaic, all bound-in. 26 x 19.8 cm(10 1/4 x 7 3/4 in). Cut. JSL.

Cont: engrav tp; pref; pl explans; tab cont; errata; blank p; pls.

Privately published, the gems described in detail, each plate with one gem, but without indication of size or owner. C W King, *Antique Gems and Rings*, 1, 468, "a series of very learned disquisitions upon the gems, which are engraved with great spirit as well as evident aecuracy in outline, much enlarged." In contrast, A Furtwängler, *Die antiken Gemmen*, 3, 423, describes the plates as "bad contour drawings" and the text as "entirely dilettante," with the gems being mostly modern. To me the drawings are quite handsome and professional; whether they accurately reflect the originals cannot be judged. The last plate is not of a gem but of a mosaic showing the Sun looking over the

Earth placed in the center of a large star-filled bowl and captioned "The Creation of the Universe out of Chaos." In my copy it is hand-colored but the crudity of technique suggests that it was colored by a former owner. Rare. Coodland, 629. See also Zazoffs, *Gemmensammler*, 177-8, "the plates show slickly contoured drawings of mostly modern gems or copies of antique gems."

6901. VIZETELLY, HENRY

The Story | Of | The Diamond Necklace | Told In Detail For The First Time | Chiefly By The Aid Of Original Letters, Official And | Other Documents, And Contemporary Memoirs | Recently Made Public; | And Comprising | A Sketch Of The Life Of The Countess De La Motte, Pretended Confidant | Of Marie-Antoinette, And Particulars | Of The Careers Of The Other Actors In this Remarkable Drama. | By Henry Vizetelly. | Illustrated with an exact reproduction of the Diamond Necklace, and a portrait of | the Countess de la Motte, engraved on steel. | In Two Volumes. | Vol.I[-II]. London: | Tinsley Brothers, Catherine Street, Strand. | 1867.

I: 8°: xvi, 318, [2 advert]p; tip-in front engrav pl. Scarlet cloth, elaborate blind-ruled & ornamented frames on covers; gold lett, orn rules, orn on spines. 20.4 x 13.2 cm(8 x 5 1/8 in). Uncut, untrimmed. JSL.

Cont: front; tp; publ data; dedic; pref; refs(p x-xii, ca 75); tab cont & erratum; quots; 26 chs; advert.

II: [2], 312, [4 advert]p; tip-in front engrav pl.

Cont: front; tp; publ data; tab cont; chs 27-45; advert.

The first thorough exposition in the English language of the scandal attending the purchase of an extremely expensive diamond necklace by Queen Marie-Antoinette of France(1755-1793), at a time when unrest ruled on the eve of the toppling of the French monarchy. This work was preceded by that of L-E Campardon, *Marie-Antoinette et le Procès du Collier*, 1863, which see, which excellent book may have been unknown to Vizetelly inasmuch as he does not mention it. However, it seems curious that the frontispiece plate of Vol 2, the engraving of the necklace, is nearly identical to a similar engraving in Campardon, although Vizetelly points out that the engraving was made from "a fac-simile of the Original Drawing made for Böhmer and Bassenge, jewelers to the French Crown." Copies of the present work are scarce but one may more easily find the one-volume edition described below. For a modern treatment of the scandal, see F Mossiker's *The Queen's Necklace*, 1961. Allibone, *Suppl*, 2, 1471.

6902. -----1867, post, 2nd edit, probably a reprint. Not seen

6903. -----1880, 3rd edit, London. Not seen

6904. -----1881, 3rd edit, New York

The Story Of | The Diamond Necklace | Told In Detail For The First Time | By The Aid Of Contemporary Memoirs, Original | Letters, And Official And Other Documents; | And Comprising | A Sketch Of The Life Of The Countess De La Motte, Pretended Confidant | Of Marie-Antoinette, With Particulars | Of The Careers Of The Other Actors In This Remarkable Drama. | By Henry Vizetelly, | Author Of "Berlin Under The New Empire," Etc. | Illustrated with an exact representation of the Diamond Necklace, from a contemporary | drawing, and a portrait of the Countess de la Motte, engraved on steel. |

6900. Full engraved titlepage to Vivenzio's description of engraved gems, many hitherto unpublished

Third Edition, Revised. | New York: | Scribner And Welford. | 1881.

8°: xv, [1], 414, [2 advert]p. Engrav pls as before, but necklace pl faces p 105. Pale gray cloth, black, double-rule frames with corner orns on both covers; front cover with title in scrolled type, gilt, with necklace in black & silver; gold title & orn bands on spine with orns in black. Dk bluish-gray endp. 19.8 x 13 cm(7 3/4 x 5 1/8 in). Te uncut. JSL.

Cont: front; tp; publ data; dedic; advert(ie, a preface); rebuttal of criticisms; pref to ist edit; refs; tab cont; quots; 45 chs; 6 appends; advert.

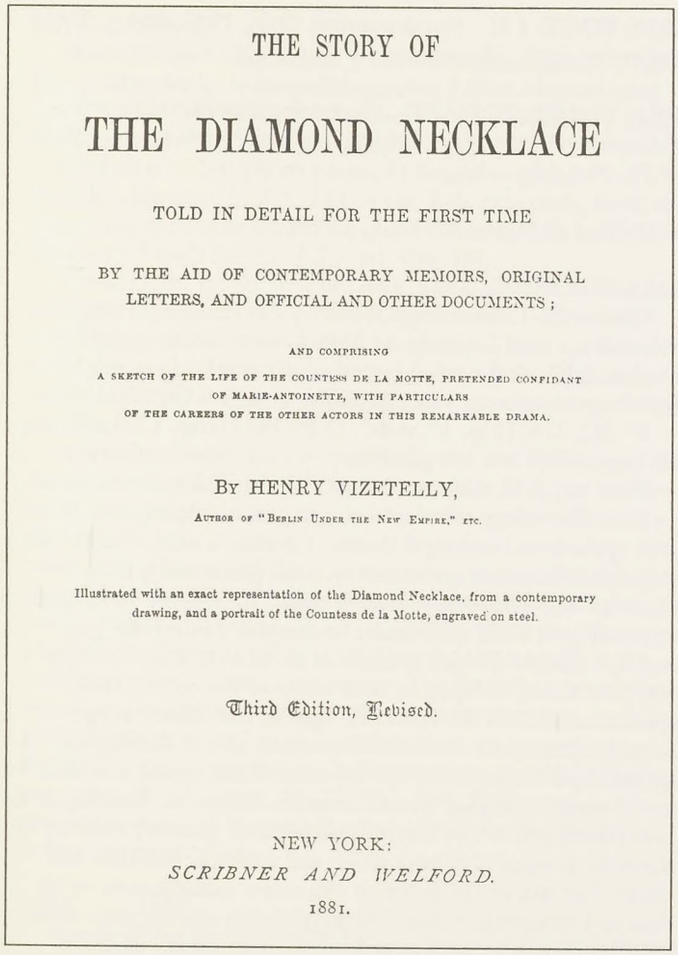
"Thoroughly revised... availing himself of a new study of the documents preserved in the French National Archives." In an attractive binding. Scarce.

VLADIMIROV, B M, see ODINTSOV, M M, et al

6905. VLASOV, KUZMA ALEKSEEVICH(1905-1964) & KUTUKOVA, EVGENIYA IVANOVNA

Akademiya Nauk SSSR | [rule] | Institut Mineralogii, Geokhimi I Kristallokhimii | Redkikh Elementov | K.A.Vlasov, E.I. Kutukova | Izumrudnye | Kopi | [logo] | [rule] | Izdatelstvo Akademii Nauk SSSR | Moskya 1960

8°: 249, [3]p; errata slip; 118 fig(4 fold, tip-in) including maps, cross-sects, photos; 100 tab(some fold). Dk blue cloth, blind rules & lett on cover, also white lett on cover & spine.



THE STORY OF

THE DIAMOND NECKLACE

TOLD IN DETAIL FOR THE FIRST TIME

BY THE AID OF CONTEMPORARY MEMOIRS, ORIGINAL LETTERS, AND OFFICIAL AND OTHER DOCUMENTS;

AND COMPRISING

A SKETCH OF THE LIFE OF THE COUNTESS DE LA MOTTE, PRETENDED CONFIDANT OF MARIE-ANTOINETTE, WITH PARTICULARS OF THE CAREERS OF THE OTHER ACTORS IN THIS REMARKABLE DRAMA.

BY HENRY VIZETELLY,

AUTHOR OF "BERLIN UNDER THE NEW EMPIRE," ETC.

Illustrated with an exact representation of the Diamond Necklace, from a contemporary drawing, and a portrait of the Countess de la Motte, engraved on steel.

Third Edition, Revised.

NEW YORK:
SCRIBNER AND WELFORD.
1881.

6904. Marie Antoinette's diamond necklace and the scandal it aroused

25.9 x 17 cm(10 1/8 x 6 5/8 in). Cut. Press run 1800. 16 r. 45 k. JSL.LC 60-35775.

Cont: tp; publ data; pref; hist notes; 6 chs; biblio(p 247-50, 114 entries); tab cont; publ data; errata slip.

Highly detailed, thorough, scientific study of the geology, petrology, and mineralogy of the famous emerald deposit of the Ural Mts. The history begins in 1830 when it is reported that the deposit was first discovered and then mentions the work of various geologists who investigated the rocks and veins of the deposit up to the present. The text treats geology, petrology, detailed descriptions of rock types, their distribution and with regional & local maps of general and detailed geologies as well as the vein systems and mines. There are numerous photos of rock thin-sections. The role of granitic intrusion is studied, along with pegmatites, and there is provided a very large & detailed descriptive mineralogy, p 67-196, which is of particular value because it is the first to provide so complete a study of the principal and accessory minerals. This chapter not only treats beryl but also chrysoberyl, especially alexandrite, for which the deposit is known almost as much as for the emerald. Other chapters deal with geochemistry, element by element, the emerald deposits elsewhere in the world, and the genesis of the schist-type deposits of which the Uralian is an eminent example. An English translation of the work was prepared by U S Joint Publications Research Service, Washington, D C, dated 1 Nov 1960, Serial Number JPRS: 5979, and entitled "Emerald Mines (Of the Urals) By K A Vlasov and Ye I Kutakova, USSR," and distributed by Office of Technical Services, U S Dept Commerce, price $2.50 (JSL). However, it consists of 103 leaves, printed recto only, with poorly reproduced illustrations and typescript, and includes only parts of the original text. *Min Abstr*, 15, 4, 1962, 278.

6906. VLEESCHDRAGER, EDDY Dureté 10 - Diamant. Paris: Gaston Lachurié, Editor, 1983; 301 p, b&w ill. Fr 210. Not seen; from M O'Donoghue rev *J Gemm* 19, 2, 1984, 187.

6906A. -----1984(?), transl into Dutch. Hardheid 10 - Diamant. Not seen.

6906B. -----1986, Engl transl

Hardness 10: | Diamond | history - diamond cutting - trade | Eddy Vleeschdrager | President of the Belgian Expert of Precious Stones | Director of the High Diamond Council (HRD) | Director of the W.T.O.C.D. (Scientific and technological research centre for diamonds) | President of the European Precious Stones Conference | Founder and Director of the Gemmological Institute of the High Diamond Council | Gaston Lachurié, Editor [Paris 1986]

Cementb, sewn: 16°: [1], [1 blank], 437, [l]p; 318 fig; 6 unnumb photos in ch 1; many tabs. Thick plasticized dk gray-blue wrap, white lett & photo on front; spine title; vita back cover with ISBN & price(300 F). 24 x 16 cm(9 3/8 x 6 1/4 in). Cut. ISBN 2-904182-12-8. JSL.

Cont: 1/2tp; tp; publ data; ackn & object of the book; 10 chs; gloss; multilingual lexicon. No tab cont nor index; no refs despite O'Donoghue's note of a "good bibliography" present in the French edit above!

By far the greatest value, and one that sets this book into a class to itself, lies in the extremely detailed descriptions, instructions, advice, and warnings in all stages of the cutting of diamonds; there is simply no other work in existence that approaches this one in respect to the fullness of detail in instructions to the novice cutter, or for the advanced cutter for that matter. It is readily apparent (to this cutter of gemstones) that Vleeschdrager knows his profession and knows how to describe the many operations in clear, understandable language. The major portion of the book consists of 10 chapters covering history & legends by way of an introduction, and including a large table of famous diamonds, the mineralogy and properties of diamond(physical & optical), with remarks on color and its alteration, inclusions, etc, synthetic diamonds, sources of diamonds and their mining in various countries, then chapters on the actual manipulations from cleaving or sawing to bruting, cutting, finishing, etc, the cutting chapter being especially detailed with numerous diagrams of cuts and how they are produced, including automated cutting. Another chapter deals with equipment for the diamond merchant while the last chapter describes and comments on the world trade in diamonds from rough to cut. As can be divined from the size of the book no aspect of the diamond in nature to commerce is neglected. The large glossary is very useful as is the dictionary of terms in English, French, Dutch and German. There is some unevenness in reproduction of figures and diagrams, and also in

photographs, but on the whole all is legible. The lack of bibliography and index, not to mention a table of contents, are major flaws.

VLODAVETS, N I, see FERSMAN, A E, 1920, 1922

6907. V[OGEL], J P N, or J.P.N.V. Sammlung der prachtigen Edelsteinen, womit der Kasten der dreyen heiligen weisen Konigen in der Erz. Hohen Domkirche zu Koln ausgeziert ist nach ihrem ächten Abdrucke in Kupfer gestochen. Nebst einer vorlaufigen geschichtsmässigen Einleitung durch J.P.N.V. Bonn, 1781. Not seen; see Fr transl below.

6908. -----1781.

Collection | Des Pierres Antiques | Dont | La Chasse Des Ss. Trois Rois Mages | Est Enrichie | Dans L'Eglise Metropolitaine | A Cologne. | Gravées Aprés Leurs Empreintes | Avec Un Discours Historique | Analogue | Par J.P. N.M.V. [Bonn: Imprimerie Electorale de la Cour, 1781; full engrav title]

2°: title f + 30 p; pi; A-I^2; 12 engrav pls(4 fold) bound-in at end. 29.1 x 21.6 cm(11 1/2 x 8 1/2 in). Cut. USGS Kunz Coll, GS 34-323.

Cont: tp; pref; introd; pls explan; pls.

The rather crude engravings are after impressions of the engraved gems used to decorate the reliquary of the Three Kings(Magi) in Cologne Cathedral. The plates include a ground plan, front view, interior of the cathedral, and only the last four plates depict the 226 engraved gems in natural size. Vinet 1637 gives "pet in-4... très rare." Marlborough Rare Books, London, Cat 117, 1986, no 115.

6909. VOGEL, PHILIPP Optische Untersuchungen am Smaragd und einigen anderen durch Chrom gefärbten Mineralien. *N Jb Min*, 68, 1934, 401-38; 13 fig. JSL. Measured refractive indices for various wavelengths of light, and absorption spectra for emerald specimens from Muzo, Bom Jesus in Bahia, Brazil, Habachtal, Austria, and Leysdorp district, Union of S Africa, and also natural & synthetic ruby, a Cr-spinel synthetic; color is due to presence CR but V also produces absorption curves in some synthetics very similar to those in materials colored by Cr.

6910. VOGELSANG, H Sur le labradorite coloré de la côte du Labrador. *Archives Néerlandaises des Sciences Exactes et Naturelles*, La Haye, t 3, 1868, 1-32, pls 1-4, colored, showing inclusions. Also in separate, 8°, 32 p, pls. Studies cause of color reflections (labradorescence) and the large and small inclusions, some of which are believed to be responsible for the color as well as the aventurescent effect. The plates are quite remarkable, being large, fully executed to show the inclusions, and spectacularly colored!

6911. VOGT, B W & VOGT, WILLIAM PAUL

Gem & Mineral | Kingdom | Digest | By | B.W.Vogt | Assistant Author | William Paul Vogt, PhD. | [logo] [np, nd, but copyright 1979]

Centerstapled: 48 p (p 47 blank). Col wrap, col photos on cover; lett. 22.8 x 15 cm(9 x 6 in).

25 short chs of curious lore: gemstones, fossils, and metals, all said to possess healing properties.

6912. VOGT, J H Norsk marmor. Oslo, 1897, 364 p. *Norges geol unders Aarb*, 22; not seen.

6913. VOIGT, ERHARD Bernstein. Haareinschluss mit Phtirapteren-Eiern. *Mitt Geol Staatsinst im Hamburg*, 21, 1952, 59-74. Not seen.

VOIGT, J C M, see HEYER, J C H

6914. VOLKELT, J G

Historische | Mineralogie, | oder | Beschreibung | der Mineralien | und | Anzeigung | der Oerter, wo sie gefunden werden. | Für Anfänger. | [woodcut vignette] | [orn rule] | Bresslau und Leipzig, | bey Christian Friedrich Gutsch, 1775.

8°: [8], 216, [8]p;)(^{4}, A-N^8, O-P^4. Publ wrap. Cut. 17.5 x 10.1 cm (6 7/8 x 4 1/4 in). JSL.

Cont: tp; pref; tab cont; introd; 11 chs; index; errata.

Brief mineralogy text for beginners, mainly descriptive. Minerals apportioned among 5 classes: 1 earths, 2 salts, 3 earth-resins(organic materials), 4 stones(includes gemstones), 5 metals(ores). The earth-resins include copal, amber, and reflecting uncertainty as to its true nature, ambergris. Among the gemstones, a further division is made as to those that are transparent, translucent, or opaque, with many of the better-known species included in the first class, opal & chalcedony in the second, and impure chalcedonic quartzes, also malachite, turquoise, lapis lazuli, etc, in the last class. Rock crystal is treated under common stones. Several chapters discuss the forming of a mineral cabinet, where minerals occur, their geneses, recovery of minerals, composition, properties, and synthetic minerals and alloys. The author takes care to cite major mineralogists of his time and somewhat before, but nevertheless allows some errors to creep in and includes as well some superstitions inherited from the Middle Ages. A rare work.

6915. VOLLBEHR, ERNST

Im Lande der | deutschen Diamanten | Tagebuch von einer Reise in Südwest | von Ernst Vollbehr | Mit 52 Zeichnungen nach der Natur vom Verfasser | Neunzehntes der Grünen Bändchen | herausgegeben von Nicolaus Henningsen | [double rule] | Verlegt bei Hermann & Friedrich Schaffstein | in Cöln am Rhein [nd; ca 1914]

8°: 121, [1]p; 53 pen & ink sketches. Grayish-green paper over thin bds; series title, title, etc on cover with cut diamond in a center panel; title & rules on spine. 17.3 x 11.4 cm(6 3/4 x 4 1/2 in). Cut. Also cloth, not seen. Paper 30 Pfg; cloth 60 Pfg. JSL.

Cont: tp; publ note; fwd; tab cont; text; other titles in series.

Vollbehr tells of his wanderings in German South West Africa, but only the first part, pages 5 to 25, describe Lüderitz Bay and its associated diamond fields, along with notes on the alluvial mining in the Namib Desert. There is also some technical detail on the methods of mining & recovery of diamonds. A handsome booklet with attractive, lively sketches.

6916. VOLLENWEIDER, MARIE-LOUISE Der Jupiter-Kameo. Stuttgart 1964. 19 pp + 10 plates(1 col). Paper wrap. 23.5 x 15.5 cm. Not seen; from Thomas Heneage, London, Cat 8, no 358.

6917. -----1966

Marie-Louise Vollenweider | Die Steinschneidekunst | Und Ihre | Künstler In Spätrepublikanischer | Und Augusteischer Zeit | 100 Tafeln Mit 577 Abbildungen | MCMLXVI | [rule]] Erschienen Bei Bruno Grim Baden-Baden [1966]

8°: 148 p + 100 photo pls on 51 bound-in glossy f + [1 blank]f; altogether 577 ill. Pl I in col. Pale gray cloth, black title on red paper label cemented to spine. White dj, title on front. 28.4 x 19.7 cm(11 1/4 x 7 3/4 in). Cut. JSL.

Cont: 1/2tp; tp; dedic; publ data; tab cont; fwd; introd; text; concl; pls index(with descriptions); photo note; abbrev index(biblio, p 129-34, 64 bks, 35 journals); indexes tp; indexes(of gem engravers, goldsmiths & jewelers, artist signatures, owner marks, historical & important persons, mythological figs); pls; blank f.

A detailed treatise on the engraved gems and their engravers during late Republican and Augustan periods of Rome as illustrated by examples shown upon the excellent plates. The introduction discusses Hellenistic cameos with facial portraiture then passes into a history of the gem engraving art as it flourished in Rome with much on the gem engravers themselves and the works attributed to them. A special section treats the blue sapphire cameo depicted in color on Plate I and presently in the collection of an English connoisseur. The "index" to the plates is actually a descriptive catalog of the gems on the plates, each plate depicting several to as many as dozen or more gems. Nothing is said about the technology nor the materials of gem engraving. Rev *J Gemm*, 10, 7, 1967, 244. References to this and other works of the author appear in the several Zazoff books described below.

6918. -----1967

Musée D'Art Et D'Histoire De Genève | Catalogue Raisonné Des Sceux | Cylindres Et Intailles | Vol.I | Marie-Louise Vollenweider | [photo] | Genève 1967 [title in red & black]

8°: 217, (first f blank) + [1 blank]p + [51] f (f 49 & 51 blank); 262 objects shown in multiple photos(top, side, edge views) on 95 pls at end. Pls tp in text is red. Thick white paper wrap; title on cover in red & black with blind seal impression. 30.2 x 21.2 cm(11 7/8 x 8 3/8 in). Te uncut. 90 Sfr. JSL.

Cont: blank f; tp; publ data; tab cont; pref; introd; cat tp; cat; annexes tp; cuneiform inscriptions; proper names; biblio(p 193-201, 124 entries); concordances; index tp; indexes; pls tp; pls; blank f; press data; 3 blank p.

First volume to catalog engraved cylinder & stamp seals in the Museum of Art and History, Geneva, Switzerland. The introduction discusses the formation of the collection and the catalog, unusually detailed, gives basic information on each piece as material, type, dimensions, inventory number, description of depiction, etc, all arranged in chronological order according to culture and period. There is an excellent bibliography. The plates are clear, all being printed in a slightly brownish ink. Photos include those of actual specimens as well as impressions. The principal donor to the collection was Walter Fol(1832-1889), of Geneva, whose collection catalog is elsewhere described under his name. The author was honorary curator, Musée d'Art et d'Histoire, Geneve.

6919. -----1972

Marie-Louise Vollenweider | Die Poträtgemmen der | römischen Republik | Katalog Und Tafeln | [logo] | Verlag Philipp Von Zabern · Mainz Am Rhein [title in brownish-red & black; 1972]

4°: V, [1 blank], [2], 110, [1], [1 blank]p - 36 photo pls on 18 bound-in glossy f + [1], [1 blank]p + pls 37-168 on 66 bound-in glossy f. Dull red cloth, gold title on cover & spine. Pale tan, hand-laid type endp. 29.6 x 21 cm(11 5/8 x 8 1/4 in). Cut. Pale tan text paper. JSL.

Cont: 1/2tp; tp; publ data; fwd; cat title; location of collections; cat; pls tp; pls 1-36; pls tp; pls 37-168.

The very large collection of portrait gems of the Roman Republican period is divided into two classes, the first, plates 1-36, comprising Italian works pre-dating the Roman portraits, and the second, pls 37-168, the portraits of Roman rulers and nobles. Each plate depicts from one to as many as a dozen engraved gems, giving for each identity of material, collection in which included, size, date of execution, and where previously published or described. Most illustrations are of actual gems but some are taken from impressions. As before, very high quality in all respects.

6920. -----1974, vol 2. Not seen; a bookseller's catalog gives text of xiii, 316 p, 2 text ill. Buckram. 30 x 21 cm. £ 140.00.

6921. -----1979 Catalogue raisonné des sceaux, cylinders, intailles et camées. Vol 2, text & pls. Mainz 1979. Les portraits, les masques de theatre, les symboles politiques. xxl, 563 p, 8 col pls, 10 text fig. Buckram. 30 x 21.5 cm. Plates: 9 p, 145 pls. Buckram. 30 x 21.5 cm. The set £ 125.00. Not seen; from a bookseller's catalog.

6922. -----1984

Deliciae Leonis | Antike geschnittene Steine und Ringe | aus einer Privatsammlung | Marie-Louis Vollenweider | [logo] | Verlag Philipp Von Zabern · Mainz am Rhein [title in red & black; 1984]

8°: IX, [1 blank], 321, [1]p + [54] bound-in glossy f bearing 508 ill (actually 886 separate photo ill) + 1 unnumb photo, with the first f serving as section tp; front photo, 5 text fig, 8 glossy col pls tip-in. Dk brown unfin cloth, gilt cover & spine titles. Black plasticized dj, col gem photo on each side. 29.7 x 21.3 cm(11 3/4 x 8 3/8 in). Cut. ISBN 3-8053-0749-7.

Cont: 1/2tp; front; tp; publ data; tab cont; fwd & ackn; hints for use of cat; cat tp; cat; biblio & abbrev(p 297-305, 151 entries); general index; materials index; biogr note of Merz; frontispiece caption; pls sect tp; pls.

This magnificent and highly important collection of engraved gems and rings was formed over a period of many years, beginning in the early 1930's, by Leo Merz(1869-1952), an eminent jurist and high government official in Bern, Switzerland. Reflecting its importance, the present catalog is manufactured from the highest quality materials and superbly illustrated; it was sponsored by Eva Merz, his daughter, who provides a biographical sketch of her father, p 317-21, with a portrait. The prefatory remarks indicate the scope of the collection but notes that emphasis was laid primarily on gems & rings of Greek and Roman periods. Typical of the author, the descriptions are very detailed, and in addition to usual information, provide full descriptions of depictions upon the gems, and previous publication or description. Impressions are primarily photographed but also originals, the latter marked by an asterisk. Unfortunately, the large

bibliography (and also typical of Vollenweider), lacks paginations of monographs or even of articles.

VOLLENWEIDER, M L, see BOARDMAN, J, 1978

6923. VOLLMÖLLER, K Ein spanisches Steinbuch. Mit Einleitung und Anmerkungen zum erstenmal herausgegeben von K.Vollmöller. Heilbronn: 1880. Not seen.

VOLLMÖLLER, K , see MARBOD, 1880.

6924. VOLLSTÄDT, HEINER & BAUMGÄRTEL, ROLF
Einheimische | Edelsteine | [rule] | von Dr.Heiner Vollstädt | Zentralinstitut für Physik der Erde, Potsdam | und Dipl.-Min. Rolf Baumgärtel | VEB Chemiekombinat Bitterfeld | Farbaufnahmen von Brigitte Stöcker | Mit 69 Abbildungen, 24 Farbtafeln und 11 Tabellen | 2., durchgesehene Auflage | [logo] | 1977 Verlag Theodor Steinkopff · Dresden

8°: X, 232, [2 blank] p; 69 fig in a central gathering of 24 glossy f (p 115-62) bearing 61 col photos. Pale tan cloth, plasticized, blind-stamped with orns on cover & title in black; blank title spine; atomic chart front endp; map of DDR back endp. 21. 3 x 14, 8 cm(8 1/2 x 5 3/4 in). Cut. JSL.

Descriptions & occurrences or native gemstones in the German Democratic Republic(Deutsches Demokratisches Republik), especially of many quartz varieties.

6925. -----1980
Edelsteine | Von Dr.sc.Heiner Vollstädt | Dipl.-Min.Rolf Baumgärtel | Mit 121 Bildern, 32 Farbtafeln, 16 Tabellen | einem Anhang über Bezeichnungen | und Eigenschaften | von Edelsteinen | sowie einer Beilage | [logo] | VEB Deutscher Verlag für Grundstoffindustrie · Leipzig [title in red & black; 1980]

8°: 218, [2 advert]p + loose doublep fold chart of the periodic table printed in dk brown ink; 119 text fig; 77 col photos; 16 tab. Pale gray unfin cloth, dk blue cut gem on cover; dk blue spine title; brownish-yellow endp with brown outlines of gem cuts. Black dj, col photo & white lett on cover; white spine & back cover, the latter with 3 col photos & resume; other bks of publ & resume on flaps. 21.9 x 19.5 cm(8 5/8 x 7 3/4 in). VLN 152-915/ 86/80; LSV 1429. 28.- Mk. JSL.

Cont: 1/2tp; front; tp; publ data; fwd; tab cont; ill; text; appends; property tabs(2); biblio(p 211-2, 66 entries); mineral index; subj index; advert; loose insert.

The first modern gemological text to be published in the Deutsches Demokratisches Republic (East Germany); it covers well the scientific and technological aspects to form a basic source of information for collectors, jewelers, lapidaries, and others concerned with gemstones. Relatively little is said on cultural aspects or curious lore. Topics: gemstones defined, also synthetics and other classes or ornamental stones, short history of gems throughout the ages, origin & occurrence, type deposits, crystallography, mineralogical properties, how tested, descriptions of gemstones from elements to silicates and including amber & jet, but omitting coral, pearl, and ivory(!), large or famous gems, gemstone occurrences in the DDR, manufacture of synthetics, imitations & assembled stones, technological uses of gem materials, lapidary work, and suggestions for setting up amateur lapidary workshops. The color illustrations show many examples of cut & rough with emphasis on native materials, but on the whole, the color quality is poor, and in several places doubtful identifications of depicted gemstones have been made. In contrast, the text figures are skillfully done and very good in quality. The lapidary information is based on professional German lapidary experience and the abrasives & polishing agents used in that country. Since no lapidary machinery for amateurs is made in the DDR, the authors give advice on home-made gear. Gemstone descriptions are weak in places, notably in respect to localities in which trivial ones are included and important sources omitted. Rev *J Gemm*, 18, 1, 1982, 85.

6926. -----1982, 2nd edit. Not seen: from rev in *J Gemm*, 19, 1, 1984, 70, gives 260 p, ill in b&w & col. Mk 32.80.

6927. -----1982, Stuttgart
Edelsteine | Von Prof.Dr.sc.Heiner Vollstädt und | Dipl-Min.Rolf Baumgärtel | 2., überarbeitete Auflage | Mit 133 Bildern, 82 Farbbildern, 19 Tabellen | [orn] Ferdinand Enke Verlag Stuttgart 1982 [title in red]

8°: 260 p + loose errata slip; 133 ill, 82 col photos on bound-in pages 65-113; 19 tabs. Pale gray unfin cloth, vermilion brilliant on front cover & vermil spine title; same endp. dj. 22 x 19.6 cm(8 5/8 x 7 3/4 in). Cut. ISBN 3 432 92 981 1. JSL.

Cont: same, except fwd to 2nd edit added. Ch 7, formerly entitled gemstones occurrences in the DDR is now entitled "Some recognized gemstones occurrences." All of it is reset and revised in many places, but the principal revisions are new information added to localities and to the material on synthetics, There are many new color photos added.

6928. VOLMAR(fl 13th c)
Das Steinbuch. | Ein Altdeutsches Gedicht | Von | Volmar. | [rule] | Mit Einleitung, Anmerkungen Und Einem Anhange | Herausgegeben | Von | Hans Lambel. | [logo] | [orn rule] | Heilbronn. | Verlag Von Gebr. Henninger. | 1877.

8°: XXXIII, 137, [1]p. Pale gray wrap, title in frame on cover; spine title; advert back cover. 20.2 x 14.3 cm(8 x 5 5/8 in). Uncut. Mk 1.-; bound, Mk.-5. USGS Kunz Coll, GS 34-392.

Cont: tp; introd; poem tp; poem; notes & comment; append; index; errata & addits.

A lapidary written by Volmar, a German poet, sometime between 1252 and 1254, on 38 gemstones in 1008 verses, including the 12 stones of the Apocalypse, the gemstones of the precious sort, and stones engraved with mystical or astrological signs or zodiacal symbols. The sources of the poem are described, its language analyzed, and the stones mentioned in various codexes of the poem compared and correlated(see table, p xxiii-xxiv, for 38 stones). Lambel also includes a lapidary attributed to St Florian(d ca 303) from the 15th century, p 95-125, and two short poems by Heinrichs von Mügeln(fl 1346-1371). H Lambel(1842-).

VOLMAR, see KLEIST, W

6929. VONA, COSTANTINO La "margarita pretiosa" nella interpretazione di alcuni scrittori ecclesiastici. *Divinitas*, 1, 1957, 118-60. Not seen; C Meier, p 540.

VON DER OSTEN, H H, see HENNING VON DER OSTEN, H

6930. VOROBYEV, also VOROBIEV, WOROBIEFF, V von, Krystallographische Studien über Turmalin von Ceylon und einigen anderen Vorkommen. *Zs Kryst*, 33, 3-5, 1900, 263-454, Pls 8-14(one part col). Also separate: pale gray printed wrap, 24 x 16.2 cm(9 1/2 x 6 3/8 in). JSL.

While largely on crystallography of Ceylon tourmaline, the text considers early investigations of this mineral, provides a useful bibliography, p 268-70, 67 entries, and describes the specimens as well as explaining the connection between crystal form and pyro-electricity. The plates are of crystal forms and stereograms.

6931. -----1901 Kristallograficheskie issledovaniya turmalina s Tseilona i iz nekotorikh drugikh mestorozhdenii. *Zapiski Imperatorskogo Sankt-Peterburgskogo Mineralogicheskogo Obshchestva*, 39, 1, 1901, 35-328.

6932. VORONIKHINA, ANNA NIKOLAEVNA

A.N.Voronikhina | Malakhit | V Sobranii | Ermitazha | fotografii | A. Bulgakova | [green orn] | Izdatelstvo Gosudarstvennogo Ermitazha | Leningrad · 1963 [title in green & black; facing title:]

A.N.Voronikhina | Malachite | Dans La Collection | De L'Ermitage | Photographies | de A.Boulgakov | Editions Du Musee De L'Ermitage | Leningrad · 1963 [title in green & black, sans orn]

4°: 93, [3]p; 9 tip-in col pls(tip-ons to tip-ins) not includ in pag; 12 col & part-col text photos; 56 text photos; ch orns; part col inits. Tan cloth, green & gold vase on front; green spine title. 28.3 x 22.3 cm(11 1/8 x 8 3/4 in). Cut. Press run 5,000. 2 r, 50 k. JSL.

Cont: 1/2tp(logo); Fr tp; Russ tp; ser editor; Russ text(to p 20); notes; Fr text(p 23-4); pls & other ill; captions to ill in Russ; same in Fr; tab cont; publ data.

On the ornamental and monumental stone and metal objects in the Hermitage Museum in Leningrad that are veneered or ornamented with malachite, the latter mineral obtained from the famous deposit at Mednorudyansk in the Ural Mountains. Figure 2 shows the underground position of the exceptionally large mass of malachite which eventually was brought to the surface in one piece and provided much of the malachite used in the ornamentation described. A brief history of the collections from which the objects came is given, along with remarks on special exhibit rooms and rooms that were decorated with malachite. One color plate shows a watercolor rendition of the "Gallery of Antique Paintings," by E Gaou, 1859, showing use of malachite in ornamentation. The text discusses techniques of veneering, type-patterns in malachite, and how these were used to create attractive veneer designs. Such patterns are illustrated upon a color plate and may also be seen in several text color illustrations. The many and varied objects are described in the captions, along with date of manufacture, designer if known, collection, material(s), and centimeter dimensions. While best known for its gigantic vases and urns in malachite veneer, many other kinds of objects are also described and depicted. Color photographs are blurred but the color is faithfully reproduced; the black & white photographs are sharper.

VORS, F, see KING, C W, 1894

6933. VOSKOBOINOKOVA, N V [Mineralogy of the Sliudianka lazurite deposit.] *Zapiski Vserossiyskogo Mineralogicheskogo Obshchestva*, Moskva, 67, series 2, 601-22, 2 pls. 7 fig. Engl summ. Not seen. Lapis lazuli of the Baikal, USSR.

6934. VOSS, E Einige Rüsselkäfer der Tertiärzeit aus baltischen Bernstein *Steenstrupia*, København, 2, 11, 1972, 167-81. Not seen; from G R v Bock,181.

6935. VOYNICK, STEPHEN M

The | Great American | Sapphire | by | Stephen M.Voynick | Mountain Press Publishing Company | Missoula 1985

16°: [1], [1 blank], xii, 199, [3 blank]p; 12 col photos on 2 glossy f not includ in pag; 2 sketch maps; 29 photos; 5 other ill. Dk blue cloth, gilt spine title. Endp map in 2 halves. Col dj, col photo front, C M Russell photo back cover; resume, vita. 22.6 x 14.8 cm(8 7/8 x 5 7/8 in). Cut. LC 85-13748; ISBN 0-87842-193-9, - 192-0(paper). Paperb: 22.8 x 15 cm(9 x 5 7/8 in). Cut. No endp maps. $16.95 hardcover, $9.95 paperb. JSL.

Cont: 1/2tp; tp; publ data & photo credit; dedic; other bks of author; tab cont; quot; pref; introd; 7 chs; sources & ackn; index; 3 blank p.

Written by a former hard-rock miner of the West, and now a freelance writer: readable, fascinating account of the long, involved history of the Yogo Gulch, Montana sapphire mines, first discovered about 1895 and intermittently operated since then. There are many valuable contemporary photographs and numerous newspaper accounts in a text which in places seems oversupplied with supporting material of this type and perhaps only tenuously connected to the principal historical theme. Nevertheless it is clearly the best history of the mines but regrettably the author has not footnoted or otherwise supported his statements with references to published accounts. The color photographs show current scenes at the gulch, mining in process, and jewelry set with Yogo sapphires. Rev *J Gemm*, 20, 4, 1986, 255.

6936 VREDENBURG, ERNEST WATSON(1870-1923)

[From The Records, Geological Survey Of India, Vol.XXXIII, | Part 4, 1906.] | Geology Of The State Of Panna, Principally With | Reference To The Diamond-Bearing Deposits. | By E.Vredenburg, A.R.C.S., Deputy Superintendent, | Geological Survey of India. (With Plates 23 to 26.) [text title; Calcutta 1906]

8°: p 261-314, 4 fold pls bound-in at end; pale brownish-red printed wrap. 27 x 17.9 cm(10 5/8 x 7 in). Cut. JSL.

Two chapters: 1 geological divisions in the region, petrology, and 2 diamonds and other economic minerals as stone, iron ores, lime, laterites. In describing the panna diamond deposits the author first gives details of the conglomerates in which diamonds occur, their stratigraphical position, and speculations on the origin of the diamonds, then goes on to describe the physical characters of the diamonds and defects. Next is an extensive section on the type mine workings, extractive methods, treatment of ore, and recovery of diamonds. The plates depict cross-sections, a section of an active mine, and a plan of another. J C Brown & A K Dey, *India's Mineral Wealth*, 1955, p 580: the "fullest account" of the diamond mines, and deemed most important.

6937. VRIES, SIMON DE(b 1630)

Curieuse | Aenmerckingen | Der bysonderste | Oost en West- | lndische | Verwonderens-waerdige Dingen; | Nevens di van China, Africa, | en andere Gewesten des Werelds. | Bevattende | 't Voornaemste van alles, wat oyt Nauwkeurighs en seldsaems van deese |...[5 lines]...| En uyt deselve in een bequaeme Orde gebracht; oock soo met ondersoeckende | also vergelijckende Redenvoeringen verhandelt, | Door | S. De Vries. | Tweede Stuck. | [woodcut orn] | t' utrecht, | [rule] | By Johannes Ribbills, Boeckverkooper in de korte Jans- | straet. M.DC.LXXXII. [Utrecht, 1682]

4°: engrav titlef + [1]f + p 497-1328 + [24]f; engrav pls. 20.6 x 16.5 cm(8 1/8 x 6 1/2 in). Cut. USGS Kunz Coll; LC 5-38896.

Cont: engrav tp; tp; text; index. This is the second of a 4-vol work, all of same title & date, but Vol I title in red & black. A work noted for its quaint plates.

This volume contains information on gemstones, p 875-996, commencing with amber and ambergris, but with most space devoted as usual to the diamond and pearl. None of the material is remarkable, merely having been gathered from other sources, however the engraved plates deserve comment. One is a famous illustration of diamond mining, highly imaginative, and a composite probably derived from accounts of diamond mining in India, and this opinion substantiated by a copy of Tavernier's, *Les six Voyages*, doublepage engraved plate of cut diamonds and other gems, and still another Tavernier-derived plate showing a composite of his plates of large balas rubies and pearls.

6938. VRINDTS, JOZEF

Jozef Vrindts | Diamantbewerking | Standaard | Wetenschappelijke Uitgeverij | Antwerpen/Amsterdam [1974]

8°: [2 blank]p + 180, [1], [1 blank]p; 147 fig, also several photos in text not included in fig count; several line drawings in col. Black, glossy paper over bds, photo of diamond crystals & col lett on cover & spine. 21 x 13 cm(8 1/4 x 5 1/8 in). Cut. ISBN 90 02 12941 6; also in paper (not seen): ISBN 90 02 12938 6. JSL.

Cont: blank f; 1/2tp; tp; publ data; text; tab cont; press note; blank p.

Detailed textbook on the art of diamond cutting, richly & imaginatively illustrated with numerous line drawings which cannot fail to be helpful to the apprentices for whom this book is meant. The first chapter discusses the nature of crystalline materials with a brief section on the behavior of light in cut gems. Much matter is introduced on the crystalline state which seems excessive and perhaps even befuddling to a reader not already acquainted to some degree with physical chemistry and crystallography, but eventually Vrindts gets around to discussing the isometric system to which diamond belongs, and the properties of diamond crystals which must be taken into account in processing. The second chapter, far more practical, describes how to orient a diamond crystal for cleavage, and the tools and techniques that are to be used. Other practical chapters follow, for the most part describing sawing, bruting, and polishing, although some theoretical discussion of design and proportions is inserted. The final chapter describes applications of diamonds in industry. One of the very few books which actually offers useful advice on diamond-cutting that one can follow and from its instructions, produce a cut gem. Rev *J Gemm*, 15, 1, 1976, 35.

6939. VULTÉE, JOACHIM VON Über die orientierten Verwachsungen von Rutil in Quarz. *N Jb Min, Abhandl* 87, 3, 1955, 389-415, fig, Pls 4-10(16 figs). JSL.

Blue quartz specimens from 10 localities studied and acicular inclusions identified as rutile and crystallographic orientations determined. Heat treatment showed that color changes occurred in some but not all specimens. Much slenderer rutile inclusions were identified in rose quartz and orientations determined to be similar. Plates depict photomicrographs of inclusions, light streaks, and intersections of same on surfaces of rose quartz spheres(with diagrams), and electron-microscope photos of inclusions. 14 references.

6940. VULTI, H T Precious stones. *Colorado School of Mines Quart*, Golden, 2, 58, 1905(?), 14 p. Not seen.

WACHSEN, G, see STRUNZ, H & WACHSEN, C

6941. WADA, S Pearl-shell fisheries in Arafura waters. *Margarita*, 1, 1953, 29-57. Not seen.

WADA, TSUNASHIRO (1856-1920)

Jap mineralogist; attend Imp U Tokyo; prof mineralogy & lithology in same; dir Imp Geol Survey to 1891; dir Imp Mining Bur 1889; pres Inst Min Eng Japan 1896-1908. Biogr note, G F Kunz, *Amer Min*, 6, 7, 1921, 109-13.

6942. -----1904

Die Schmuck- Und Edelsteine Bei Den Chinesen. | Von | T.Wada. | (mit 6 Tafeln) | [wavy rule] | Sonderabdruck aus "Mitteilungen" der Deutschen Gesellschaft | für Natur- und Völkerkunde Ostasiens. Bd. X, Teil 1. | [wavy rule] | Wiederabdruck Nur Mit Angabe Der Quelle | Gestattet. | [orn] | Tokyo. | Druck der Hobunsha. | [rule] | 1904.

8°: edgesewn: 16 p, 6 litho pls(one part col). Tan wrap, cover title. 22.8 x 15 cm(9 x 6 in). Cut. BM(NH) Libr; USGS Kunz Coll, GS34-697.

In this brief but very valuable paper, Wada treats the current use of gemstones among the Chinese, devoting most space to nephrite and jadeite, but also providing remarks on ruby, sapphire, beryl, spinel, and tourmaline, and ornamental stones lapis lazuli, rock crystal, amethyst, smoky quartz, catseye, chalcedony, agate, and banded agate, aventurine, and fluorite. Brief property data, sources of materials. Also treated are the historical and traditional uses, and the types of jewelry in which the stones were used, the introduction of gemstones by immigrants, lapidary treatment, and the stones used to symbolize rank of mandarins. The plates depict jewelry, jade carvings, and pendants, with the last plate, a duplicate of one preceding, but partly colored, Showing an aquamarine crystal mounted as a pendant. A useful feature is the the provision of Chinese character names of stones along with phonetic equivalents.

WADDELL, LAWRENCE AUGUSTINE, later AUSTINE(1854-1938)

Brit med officer, traveler, orientalist, writer on Far and Near East cultural subjects; grad MB, MCh Glasgow U 1878; entered Indian med service 1880; 1896-1902 prof chem & pathology Calcutta Med Coll; widely traveled in Orient, esp accompanying military ops; 1906-1908 prof Tibetan U Coll London. DNB.

6943. -----1925

The | Indo-Sumerian | Seals Deciphered | Discovering Sumerians Of Indus Valley | As Phoenicians, Barats, Goths & |

Famous Vedic Aryans | 3100-2300 B.C. | By | L.A.Waddell | LL.D., C.B., C.I.E. | Fellow of the Royal Anthropological Institute, Linnean and Folk-Lore | Societies, Hon. Correspondt. Indian Archaeological | Survey, Ex-Professor of Tibetan, | London University | With Numerous Illustrations And Maps | London | Luzac & Co. | 46 Great Russell Street, W.C. | 1925

8°: xxiv, 146, [2 blank]p; 41 fig; glossy front photo pl tip-in; 2 maps(one in text, other on a glossy tip-in f). Errata slip tip-in at p viii. Dk blue cloth, gold lett spine. Pale yellowish-tan endp. 21.5 x 13.8 cm (8 1/2 x 5 3/8 in). Cut. JSL.

Cont: 1/2tp; other bks of author; front; tp; publ data; pref; tab cont; ill list; abbrev list(biblio p xxiii-xxiv, 63 entries); 12 chs; 5 appends; index; blank f.

Examines and deciphers inscriptions of engraved stamp seals found in the Indus River valley and claimed to confirm the author's earlier view that the "Sumerians" were actually Aryans and "that the Phoenicians were not Semites... but Aryans and the chief colonizing branch of the Sumerians." As pointed out in DNB, this theory was not accepted among his contemporaries.

WADE, FRANK BERTRAM(1875-1950)

USA educator, gemologist; grad Wesleyan U, Middletown, Conn as BS; at Shortridge highschool since 1903, & dept head since 1910; ret 1949. Obit *R & M*, 26, 1/2, 1951, 52.

6944. -----1916

Diamonds | A Study Of The Factors That | Govern Their Value | By | Frank B.Wade, B.S. | Head Of The Department Of Chemistry, Shortridge | High School, Indianapolis, Ind. | Author (With Prof.A.A.Blanchard) Of "Founda- | Tions Of Chemistry" | [orn] | G.P.Putnam's Sons | New York And London | The Knickerbocker Press | 1916

8°: [2 blank], ix, [1 blank], 150, [3], [3 blank p. Bound-in front pl with lett tissue. V dk green ribbed cloth, gold title, rule, cut diamond on front cover; cut diamond on spine. 18.7 x 12.7 cm(7 3/8 x 5 in). Cut. $1.25. LC 16-8720. JSL.

Cont: blank f; front; tp; publ data; quot; fwd; tab cont; 6 chs; index; cat of publisher bks; 3 blank p.

This appears to be the first book-length monograph devoted entirely to the discussion of the factors which influence quality, hence the price of cut diamonds. Wade treats the following factors in a simple, factual manner: color, flaws, and the "make" or geometrical proportions of the shape and placement of facets. In addition, he discusses the advantages and disadvantages of repairing damaged stones or recutting same, especially from older styles of cut into modern brilliant forms. Other topics include mounting of stones and buying an engagement ring. While much has now been written to supersede this work it still contains fundamental invaluable advice put into language that retains the freshness of simplicity. In his time, and despite not being a member of the trade, Wade exerted an enormous influence on the conduct of the trade as well as on the study of gemology.

6945. -----1916, reprinted Front tissue omits lett; tp omits date; p[ii] with colophon Knickerbocker Press; in dk blue, smooth cloth.

6946. -----1916, another reprint

Diamonds |...| G.P. Putnam's Sons | New York And London

8°: [1 blank], [2], [1 blank], ix, [1 blank], 150 p. Front pl now printed on ordinary text paper, verso first f, with explan facing recto of 2nd f. "Fourth Impression." Dk turquoise-blue cloth, vertically ribbed, dk blue lett on spine with small diamond; plain covers.

6947. -----1918

A Text-Book | Of | Precious Stones | For Jewelers | and | the Gem-Loving Public | By | Frank B.Wade, B.S. | Head Of The Department Of Chemistry, Shortridge High | School, Indianapolis, Ind. | Author Of "Diamonds; A Study of The Factors That | Govern Their Value" | Illustrated | G.P.Putnam's Sons | New York And London | The Knickerbocker Press | 1918

8°: [1 blank], [1], xiii, [1 blank], 318, [2 advert]p; 17 fig(1 is unnumb). Dk blue-green ribbed cloth, gold title, rule, cut gem on cover with blind rule frame; gold lett, gem on spine. Tan print paper dj, title & resume, flap adverts. 20.3 x 13.6 cm(8 x 5 3/8 in). Cut. Teg. Extra blank f supplied ahead of first text f. $2.50. LC 18-5523. JSL.

Cont: blank f; blank p; other bk of author; tp; publ data; pref; introd; tab cont; 30 chs; biblio(p 301-12, 36 entries); index; advert.

Solid, substantial, clearly written elementary treatise on gemology written in such a manner that it readily serves as a self-instructional textbook. The first 16 chapters treat the basics of gemology, while Ch 17 assesses the suitability of various gemstones for use in jewelry, taking into account their physical properties. There are chapters on chemical composition, nomenclature, sources of gemstones, lapidary treatment, imitations, color alteration, pearls, weight systems and tariff laws. As may be divined this work is remarkable for omitting the usual descriptions of gemstones and instead concentrating on matters which in some books of that period were neglected in favor of descriptions. The bibliography is annotated. Another printing of this edition, bearing that date on its titlepage, is bound in dk green cloth but top edge not gilt. Rev S G Gordon, *Amer Min*, 4, 3, 1919, 26-7.

6948. -----1924, 2nd printing In dk green cloth, dj; extra blank f ahead of text omitted; te not gilt. 20.4 x 13.7 cm(8 x 5 3/8 in). Cut. Tp undated. JSL.

6949. -----1929, 3rd printing Green cloth. Smaller: 19.9 x 13.6 cm(7 3/4 x 5 3/8 in). Cut.

6950. -----1936, 4th printing Green cloth. Smaller: 19.7 x 13.4 cm(7 3/4 x 5 1/4 in). Cut. First & last f now blank.

6951. -----1936, post, 5th printing In green or blue cloth, very pale blue print dj, otherwise like the 4th printing; a later impression appeared in smooth black cloth with plain covers, again without date of impression.

WADIA, DARASHAW NOSHERWAN(1883-1969) & FERNANDO, L J D

D N Wadia b Bombay; MA Delhi U 1905; hon DSc 1948; held numerous acad & govt positions; FRS 1957, other honors; best known for his *Geology of India*, ist edit 1919.

A TEXT-BOOK
OF
PRECIOUS STONES
FOR JEWELERS
and
THE GEM-LOVING PUBLIC

BY

FRANK B. WADE, B.S.

HEAD OF THE DEPARTMENT OF CHEMISTRY, SHORTRIDGE HIGH SCHOOL, INDIANAPOLIS, IND.
AUTHOR OF "DIAMONDS: A STUDY OF THE FACTORS THAT GOVERN THEIR VALUE"

ILLUSTRATED

G. P. PUTNAM'S SONS
NEW YORK AND LONDON

6948. Wade's direct, easily understood language made this textbook a favorite among students just beginning the study of gemology

6952. -----1945 Gems and semi-precious stones of Ceylon. *Rec Dept Mineralogy, Ceylon, Prof Paper* 2, 1944, p 13-44, 4 pls(on 3 tip-in f), Columbo, 1945. Edgestapled: orange -red print wrap; 25 x 18.6 cm(9 7/8 x 7 1/4 in). Cut. JSL.

Until superseded by E Gübelin's *Die Edelsteine der Insel Ceylon*, 1968, which see, this was the best source of reliable information on the gemstones of Sri Lanka; it is still useful. Short sections treat history, geology, mineralogy and mining, and are supplemented by a list of known gemstones from the island. These are followed by descriptions, with varieties, qualities, sizes, etc, and forming the largest part of the text. A short section on native gem cutting completes the work.

6953. WAGNER, ALEXANDER

Gold, Silber und Edelsteine. | [rule] | Handbuch | für Gold-, Silber Bronze-Arbeiter und Juweliere. | [rule] | Vollständige Anleitung zur technischen Bearbeitung der Edelmetalle | enthaltend | das Legiren, Giessen, Bearbeiten, Emailliren, Färben und Oxydiren, | das Vergolden, das Incrustiren und Schmücken der Gold= und Silber= | waaren mit Edelsteinen und die Fabrikation des Imitationsschmuckes. | Von | Alexander Wagner. | [rule] | Mit 14 Abbildungen. | [logo] | Wien. Pest. Leipzig. | A.Hartleben's Verlag. | 1881. | Alle Rechte vorbehalten.

8°: [3], p XVI [sic], 272 p (p 266-72 adverts); 14 text wood cuts. 17.6 x 12.3 cm(6 7/8 x 4 7/8 in). Cropped. JSL; USGS Kunz Coll, GS 34-277.

Cont: tp; print data; fwd; text; tab cont; advert.

The strange pagination suggests that advertisements occupied the space ahead or after the titleleaf and were omitted in binding up the copy here described. The table of contents indicates that all required front matter is present. Handy work on the arts of working precious metals for jewelers which matter takes up most of the book, only the last chapter, p 242-61, deals with gemstones and then only in a cursory manner just sufficient to acquaint apprentices & jewelers with the properties of gemstones, their cutting & setting, and deseribing some of the more important species. The appendix of the gemstone chapter describes pearls, corals, and false gems. A second edition appeared, not examined. A vague reference avers that a "third" edition was published in 1921, of 230 pages, 18 illust, but this may be a facsimile of the first edition.

6954. WAGNER, HANS

Beiträge zur | Kenntnis der Cordierits. | [orn rule] | Inaugural Dissertation | zur | Erlangung der Doktorwürde | der | hohen | philosophischen Fakultät | der | Friedrich-Alexanders-Universität Erlangen | vorgelegt | von | Hans Wagner | aus Hoym (Herzogthum Anhalt). | [orn rule] | Stralsund. | Druck der Königlichen Regierungs-Buchdruckerei. | 1894.

8°: 57, [2], [1 blank]p, 22.5 x 14.25 cm(8 7/8 x 5 5/8 in). JSL.

Doctoral dissertation: reviews the history of the mineral from the first formal announcement of its individuality, subsequent investigations, occurrences in various environments with specific mentions of localities, and chemical analyses of specimens aimed at establishing an accurate composition and formula.

6955. WAGNER, JOSEPH FRIEDRICH

Notizen | Über Die | Mineralien-Sammlung | Sr. Excellenz Des Herren | Dr's Alexander's Von Crichton, | Wirklichen Staatsrathes, Kais. Russ. Leibarztes, General- | Stab-Doctor's Des Medicinal-Civil-Wesens, Ritters Des | Heil. Wladimir's Zweyter Classe, Und Vieler Gelehr- | Ten Gesellschaften Mitgliedes. | Von Joseph Friedrich Wagner, | Akademischen Mahler'n, der Kaiserlichen Gesellschaft der Natur- | forscher zu Moskwa, der mineralogischen Gesellschaften zu St. | Petersburg und zu Jena Mitgliede. | [vignette] | Moskwa, | Gedruckt Bey August Semen, | Buchdrucker Der Kaiserlichen Medicinisch-Chirurgischen Akademie. | [wavy rule] | M.DCC.XVIII. [Moscow; 1718]

4°: [4], V, [2], [1 blank], [4], 134 p; engrav front portr tip-in; 18 bound-in engrav pls at end. 25.2 x 20.6 cm(9 7/8 x 8 1/8 in). Cropped. In my copy the text f interlaminated with blank f. Agassiz IV, 514.

Cont: 1/2tp; front; tp; approb(in Russ); fwd(dtd 1819); errata; blank p; dedic; text; pls.

The splendid mineral collection of Alexander Crichton in St Petersburg, rich in Russian minerals, is described and certain of its major pieces shown upon the plates. The first part of the text is in the nature of a historical introduction that discusses the state of mineral-collecting in Russia and briefly comments upon noted collectors and their collections. Careful notes are made of the special areas in these collections which make them important. The remainder of text takes up notable specimens in Crichton's collection by class, with much space devoted to the Russian specialties, notably the gem beryls, topazes, and tourmalines. The plates are skillfully and accurately drawn and depict topazes(2 pls), beryls(6 pls), including several crystals that are

intricately etched, amazonite crystals(2 pls), tourmalines(2 pls), and a miscellany of specimens, including one fossil, on the remaining plates. As well as being the author, Wagner was also an artist and well acquainted with minerals, hence his designs for the plates reflect a refreshing combination of taste and mineralogical accuracy. They are simple line representations without attempts at embellishment, all readily recognizable. Wagner also prepared the splendid frontispiece portrait plate of Gotthelf Von Fischer [Gotthelf Fischer von Waldheim, 1771-1853] and notes his work on turquoise in the dedication; this work is elsewhere described in this bibliography.

Crichton was born in Edinburgh, and in youth apprenticed to surgeon A Wood, then obtained his MD in Leyden in 1785, practising in London from 1789 but appointed personal physician to tsar Alexander I.(1818-1881) in 1804. He soon achieved important status in the court and was appointed head of the entire civil medical department. Near the end of his career, he returned to England; died nr Sevenoaks 1856. He wrote a number of important medical treatises and several on geological subjects; while in Russia he amassed his large and important mineral collection. DNB. The collection was put up for sale at public auction, "in the ensuing April and May, if not previously disposed of by Private Contract. G.B.Sowerby. Dec.l826," from a 24 pages brochure (not seen), but apparently this sale was not consummated inasmuch as another auction catalog, of 1827, notes that a "Catalogue of a magnificent collection of minerals, and precious stones, formed... during thirty years, by Sir Alexander Crichton... will be sold by auction by Mr. G.R.Sowerby... April 20th, 1827...Stirling, 1827." This catalog is in the USGS Kunz Coll, GS 34-538, 128 p, 24 1/2 cm. Not seen.

6956. Not used.

WAGNER, PERCY ALBERT(1885-1929)

B Richmond, Cape Colony; BSc S Afr Coll Cape Town; min engineer dipl S Afr School Mines & Tech; Dr Ing Freiberg 1909; various geol assignments S Afr then joined De Beers Consol Mines; later geologist in Union S Afr Geol Survey 1919-27; resigned to become priv consultant; DSc U Cape Town 1922; d Johannesburg. See "Biography" in reprint of his *The Diamond Fields of Southern Africa*, 1971, p[v]; also obit by L J Spencer, *Min Mag*, 22, 131, 1930, 410-411; by A L DuToit, *Geol Mag*, London, 67, 1930, 191-2; by A W Rogers, *Trans Geol Soc S Afr*, 33, 1931, 49-50, portr; by A M Bateman, *Econ Geol*, 25, 1930, 88-90.

6957. -----1909

Studien | an den | diamantführenden Gesteinen | Südafrikas | [rule] | Von der | Königl. Sachs. Technischen Hochschule zu Dresden | ln Verbindung mit der | Königl. Sächs. Bergakademie zu Freiberg | zur | Erlangung der Wurde eines Doktor-Ingenieurs | genehmigte | Dissertation. | Vorgelegt von | Percy Albert Wagner | aus Richmond - Kap - Kolonie | Referent: Oberbergrat Professor Dr.Richard Beck | Korreferent: Geheimrat Professor Dr.E.Kalkowsky Berlin | Verlag von Gebrüder Borntraeger | SW 11 Grossbeerenstrasse 9 | 1909

8°: XVIII, 132, [2]p; 2 bound-in photo pls; 6 fig(maps, plans, photo). Pale reddish-brown wrap, cover title. 24.5 x 16 cm(9 5/8 x 6 1/4 in). Cut.JSL.

Cont: tp; dedic; introd; tab cont; biblio(138 entries); 5 chs; pls.

Detailed study of diamondiferous rocks in South Africa: geology of kimberlite occurrences, pipe morphologies, pipe minerals, other types of kimberlite bodies, inclusions in kimberlites and mineralogy of same, the diamond and its genesis. One of the earliest studies attempting to explain the nature of kimberlites, inclusions in same, and both their origin and the origin of diamonds, with very little said about the diamonds themselves. The bibliography is unusually complete and contains entries seldom seen in comparable papers.

6958. -----1909

Die Diamantführenden Gesteine | Südafrikas | Ihr Abbau Und Ihre Aufbereitung | Von | Dr.Ing. Percy A.Wagner | [rule] | Mit 29 Textabbildungen Und 2 Tafeln | [rule] | Berlin | Verlag Von Gebrüder Borntraeger | SW 11 Grossbeerenstrasse 9 | 1909

8°: [1], [1 blank], XVIII, 207, [2 blank], [1], [1 blank], [1]p; 2 tip-in photo pls; 29 fig(maps, plans, photos). Tan paper wrap with over-printed cloth grain, title on cover & spine, with rules. 25.3 x 16.6 cm (10 x 6 1/2 in). Uncut. Also in cloth(not seen), Mk 7.- USGS GS 10-108.

Cont: 1/2tp; tp; publ data; dedic; introd; tab cont; biblio; 8 chs; 2 blank p; pls explan; pls.

Based on his doctoral dissertation described above and textually identical up to Ch 5, with minor changes in front matter, the introduction, and omission of addenda on p 132. However, and possibly to make the work more widely appealing, Wagner added Chs 6 to 8, treating the history and modern methods of excavating blue ground, including opencut and underground methods, ore processing, and statistics on the industry. The addenda previously on p 132 now appear on p 207, while the 2 plates of kimberlite thin-sections are fitted in at the end with own leaves of explanation.

6959. -----1914, Engl edit

The Diamond Fields | Of | Southern Africa. | By | Percy Albert Wagner, | Dr.Ing.(Freiberg), BSc., M.E.(Cape), A.S.A.S.M.T., MA.I.M.E. | Consulting Mining Geologist. | With Maps And Illustrations. | [rule] | 1914 | [rule] | The Transvaal Leader, | Harrison Street, | Johannesburg. | Registered under Copyright Act. | [All Rights Reserved.

16°: xxv, [1 blank], 347, [1 blank]p; 2 large fold maps tip-in at end; 82 fig(recte 84) part in text, part upon 36(recte 35) tip-in glossy pls(one fold). Pl I(and Fig 1) is frontispc. See note below on illust. 1/2 green leather, cloth sides, gilt spine. 24.4 x 18.2 cm(9 5/8 x 7 1/8 in). Cut. Price 32/6. Also in streaked green cloth, gilt spine & rules. Price 27/6. A later issue in olive-green cloth, plain, with similar gilt spine. JSL. LC 14-14179. PJ Hugo et al, 3429.

Cont: 1/2tp; front; tp; dedic; pref; tab cont; biblio(255 entries); errata; 10 chs; appends; fold maps.

Note on illustrations: after examining several copies it seems that much carelessness attended insertion of the glossy plates, especially in the later olive-green cloth issue, wherein about a dozen plates are missing and no indication is present of glue marks at the places where the plates should have been tipped-in. Even a copy of the first issue lacked two plates. The facsimile reprint below, presumably from a perfect copy, shows no Pl XXI, and it appears there never was such a plate because the figure numbers upon the plates proceed unbroken. This plate is also absent in other copies examined. Figure 57 is shown twice, but the second should read Fig 59. Furthermore, Pl 31, facing p 266, contains 2 photos but both are unnumbered and not included in figure numbering. Unfortunately, the designer of the book omitted a list of plates & figures thus preventing a collation that corresponds to what was originally intended; to compound the problem, the text does not always directly refer to

figures in text or on plates. My impression is that the text was written with only text figures at hand, but at some later time, it was decided to embellish the book with additional figures upon plates.

The above work is "a greatly enlarged English edition of *Die Diamantführenden Gesteine Südafrikas*"(pref). In three sections: 1 primary or kimberlite deposits, 2 detrital or alluvial deposits, 3 diamond companies with statistics. Mines and companies in South Africa, Rhodesia, Belgian Congo, and German South West Africa are included. The appendices are short discussions of diamond cutting in South Africa and discoveries of diamonds in regions not covered in the text. There is much valuable information on the characteristics of diamonds from different deposits. A fine work, very frequently referenced in later works. The extensive bibliography retains its reference value. Rev W T Schaller, *Econ Geol*, 11, 1916, 508-9.

6960. -----1952 Almazonosnye porody Yuzhnoy Afriki, ikh razrabotka i obograshchenie. Ministerstvo Geologii i Okrany Nedr SSSR, Perevody Inostrannoy Literatury, Moskva, no 235, 1952. Not seen.

6961. -----1971, reprint, with additions

The Diamond Fields | Of | Southern Africa | By | Percy Albert Wagner | B.Sc.(Cape); M.E.(S.A.S.M.T.); A.S.A.S.M.T.; M.A.I.M.E.; F.G.S. | F.R.S.S.A.; Dr.Ing. (Freiberg); S.Sc.(Cape Town) | Consulting Mining Geologist | With Maps And Illustrations | [logo] | C.Struik (PTY) Ltd Cape Town | 1971

8°: xxxv, [1], 355, [1 blank]p; same ill but pls now printed in text; 2 fold maps tip-in on last endp; another fold pl tip-in. Pale brownish-yellow & brown mottled plasticized cloth; gold spine title with logo. Col dj, many photos on front; map on back; resume. 24.2 x 18 cm(9 1/2 x 7 1/8 in). in). Cut. ISBN 0 86977 006 3. JSL. PJ Hugo et al, 3438.

Cont: 1/2tp; front; tp; publ data; biogr & biblio of Wagner(over 100 entries); dedic; pref; tab cont; biblio as before; errata; text as before but renumbered in part; appends; indexes; blank p; flyleaf; maps.

Commencing with p [xiv] the contents are facsimile from the original but the pages are renumbered in part to accomodate printing of plates in the text. Additions: biography/bibliography of Wagner, indexes of countries, localities, and mines.

6962. -----1916 The geology and mineral industry of South-West Africa. *Union of South Africa, Mines Dept, Geol Survey Mem* 7, Pretoria, 1916. Printed wrap, cover title, p 1-119 + [1 blank]p + p [i]-xvi(index) + [2]p + p [121-234] + p [i]-xvi(index); 39 pls(many with multiple photos); 5 text fig; large fold col geol map of SWA in back cover pocket. Brief remarks on gem beryls, p 84 & 196; extended remarks on diamonds, deposits, mining, companies, etc, 94-107, with photos on several pls, and also on p 206-22. The separate pagination is due to the bilingual text, the first in English and the second in Afrikaans. The contribution on diamond is important. GS 16-375.

6963. -----1922 On some mineral occurrences in the Namib Desert. *Trans Geol Soc S Afr*, 24, 1922, 71-97, Pls 3 & 4. Occurrences of gem quality cordierite, garnet, sunstone, moonstone, beryl, rose quartz, etc, among other minerals.

6964. -----1928 The evidence of the kimberlite pipes on the constitution of the outer part of the earth. Johannesberg, 1928, 8°, wrap, 22 p. Not seen.

WAGNER, P A, see DUTOIT, A L, et al

6965. WAGNER, P A & MERENSKY, H The diamond-deposits on the coast of Little Namaqualand. With an appendix on the palaeontology of the Namaqualand coastal deposits, by S.H.Haughton. *Trans Geol Soc S Afr*, 31, 1929, 1-41, Pls 1-9. Not seen.

6966. WAINWRIGHT, JOHN

Discovering | Lapidary Work | John Wainwright | Through the spirit of counsel |...[5 lines]...| Theophilus | - Prologue to his Treatise on Divers Arts | [logo]] Mills | Boon Limited | London [1971]

8°: [7], 216p; 19 col photos on 4 bound-in glossy f; 45 text photos labeled "plates;" 56 text line drawings; 31 p of mechanical drawings. Smooth olive-green cloth, silver lett spine. Col dj, resume, vita. £3.60. ISBN 0 263.51531.1. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ackn; introd; text; gloss; tabs & data; 8 appends; supplier list; biblio(p 213, 30 entries); index.

Clearly written work on major lapidary processes and simple jewelry making. Topics: mineralogy & identification(too short to be useful), machines & devices with emphasis on home-made equipment, lapidary treatment of many kinds or gem rough but of uneven quality because of the author's unfamiliarity with some of the materials, hunting for gemstones in the British Isles, heat treatment, fluorescent displays, and extracts from Theophilus' work mentioned in the title. While remarkable for its clarity of exposition, and its obvious value to those interested in making their own lapidary equipment, much needs to be done to make this a first-class instructional textbook. Rev: *J Gemm*, 13, 2, 1972, 77.

6967. -----1973, 2nd edit. Not seen; rev M O'Donoghue, *J Gemm*, 14, 7, 1975, 349, "nothing raises the book above the common run."

6968. WAITZ, PAUL Algunos datos sobre piedras preciosas sinteticas de la fabrica "Deutsche Edelstein-Gesellschaft" Hamburgo. *Bol Soc Geol Mex*, Mexico, DF, t 6, 1909, 157-67. JSL.

Brief historical review of synthesis of corundum & spinel, with property data given on 14 variously colored specimens from the company(factory in Idar-Oberstein), with property data, and discussions. en appendix contains additional information taken from Reinhard Brauns papers on synthetic "alexandrite" and other corundums.

6969. WA KAN SAN TSAI DZOU YE The title of a Chinese-Japanese encyclopedia according to F de Mély & M H Courel, *Les lapidaires de l'autiquité et du moyen age*, 1, "Les lapidaires chinois," 1896, which see. The lapidary extracted from this work is reproduced by them in usual reversed-text order, p 144 to p 1, with many small woodcut figures in the text. A detailed commentary appears after the preliminaries on p 1-150, with material on precious stones 56-67, but with ornamental stones on later pages, as in the case of diamond, on p 124-5.

Notes on gemstones are also provided on p 178-88, while the stones themselves are identified on p 253-64, ie, jade, coral, petrified coral, agate, rock crystal, sagenite, glass, lapis lazuli(?), talc (or nacre?), fluorite(or amethyst?), and several ornamental stones. The notes frequently cite Geerts' *Les produits de la nature Japonaise et Chinoise*, and Pfizmaier's *Beiträge zur Geschichte der Edelsteine und des Goldes*.

6970. WAKE, PERCIVAL VINCENT

Opal men | By | P.Vin Wake | [logo] | A.H. & A.W.Reed | Sydney · Melbourne · Wellington · Auckland [1969]

8°: x, 165 p; 41 photos on 8 bound-in glossy f; 1 sketch map; 3 text sketches. Maroon, cloth-type paper over bds, gold lett spine. Dk pink endp. Col dj, cover photos, resume, vita. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Cut. Nat Libr Australia registry no Aus 69-544. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ackn; ill list; fwd; 21 chs; append; index; blank p.

Excellent; largely reminiscences of characters and the history of opal mining in Coober Pedy and Andamooka, South Australia. One chapter provides a fairly full biography of Johann Menge(1788-1852) who came to Australia to devote the last years of his life to extensive prospecting; Wake credits him with first discovery of common opal. Wake came from a farming family on Eyre Peninsula, South Australia, and after WW II took up opal buying in which he became very successful and at the same time learned much of the history of opal and persons connected with its mining in Australia. Among the topics: biographical notes on persons, histories of Coober Pedy and Andamooka fields, geology and circumstances of opal formation, lapidary treatment, and conditions in the fields. One of the most valuable parts describes the career of T C Wollaston, chs 11-13, for which he obtained "hitherto unpublished material" from members of the Wollaston family. The photographs are mostly of persons. The appendix discusses the mineralogy of opal and the cause of color play as revealed by latest discoveries. Rev N Clayton, *Austral Gemm*, 10, 8, 1969, 26 "thoroughly readable... containing a lot of sound information."

6971. WAKELING, T G Forged Egyptian antiquities. London 1912, 8°, cloth, 155 p, front, 14 col pls, 13 ills. Not seen; includes forgeries in lapis lazuli, stone objects, scarabs, and others.

WALCOTT, ALBERT J(1895-)

USA mineralogist; AB 1914, MS 1915, PhD 1926 from U Mich; instructor Case School Applied Sc 1916-17, also U Mich 1917-18, Northwestern U 1922-23; researcher in Field Mu Nat Hist 1934-40.

6972. -----1937 Asterism in garnet, spinel, quartz, and sapphire. *Field Mus Nat Hist, Geol Ser*, 7, 3, Chicago 1937, 39-57, fig 19-25. LC CD 38-195.

Describes asterism in two polished spheres & several cabochons of almandine, a cabochon of spinel, and colorless quartz, and spheres of sapphire. Asterism-causing inclusions in garnet and spinel lie along specific crystallographic planes as is true for quartz and corundum but the reflective streaks in the last are considered to be caused by "striae" rather than inclusions of foreign mineral. One of the earliest papers by a USA mineralogist on asterism in gemstones.

6973. WALCOTT, H H The occurrence of so-called obsidian bombs in Australia. *Proc Roy Soc Victoria*, Melbourne, 11, 1, 1898, 23-53. Not seen. On tektites.

6974. WALDMANN, FRANZ Zur Geschichte des Bernsteins. *Baltischemonatschrift*, Riga, 29, 1882, 192-220. Not seen, from G R v Bock, p 181.

6975. -----1883

Der Bernstein im Altertum. | [rule] | Eine historisch-philologische Skizze | von | Dr.F.Waldmann, | Oberlehrer am livländischen Landesgymnasium | zu | Fellin. | [rule]] Separatabdruck aus dem Programm des livl. Landesgymnasiums für das Jahr 1882. | [orn rule] | Fellin 1883. | Druck von F.Feldt in Fellin [not seen]; see entry below]

6976. -----1973, facsimile reprint

Der Bernstein im Altertum |...| zu Fellin | Dr.Martin Sändig oHG. [6229 Walluf bei Wiesbaden; from the 1/2tp; original tp reads as above]

"Unveränderter Neudruck der Ausgabe von 1883. ISBN 3 500 28200 8 - Printed in Germany"

8°: [iv], 86, [1]p. Pale gray cloth covered flexible wrap. 29.2 x 20.7 cm(11 1/2 x 8 1/8 in). JSL.

Cont: blank f; 1/2tp(Sändig); publ data; tp(orig); censure; pref; text in 3 sect; appends; tab cont; publ data.

In this erudite and searching work, the author attempts to portray as completely as possible the status of ancient knowledge of amber and the amber-producing regions as evidenced in the writings of early authors and some modern writers. The latter are cited in the preface while the authors of antiquity are chronologically listed, under Greece and Rome, in Appendix A, along with the original language excerpts and parallel translations in German. The first section, on ancient knowledge, traces mentions and descriptions, along with curious lore, through a maze of references, and devotes considerable space to examining the etymologies of numerous amber-related terms. The second section treats knowledge of amber sources, especially as it concerns establishing the major source of the Baltic region. The third section describes the amber trade, its workings in antiquity, its extents, and the "amber routes." In connection with the last, Appendix B lists amber artifacts that were found along several of the routes and helped establish them. An important but unfortunately neglected work which is rarely cited, possibly due to its appearance in an obscure journal.

6977. WALKER ART CENTER, MINNEAPOLIS, MINNESOTA Descriptive catalogue of carved jades, crystal, blue, aquamarine, pink, rose... Minneapolis, 19-?. 87 p, ills. Not seen, from C Denman's biblio, p 119.

6978. -----194-? Jades of the T.B.Walker collection at the Walker Art Center, Minneapolis, Minnesota. 92 p, 35 pls, dynasty chart, 28 x 22 cm. Not seen. Born, p 330-1 gives "light green boards, dk green cloth spine, cover title same as text title; spine title. 28 cm. Han-Shan Tang, London, List 30,1985, no 303 gives paper, 28 x 22 cm. Fwd by D S Defenbacker; includes "The story of jade" by J LeRoy Davidson which follows the catalog. The collection formed principally by Thomas Barlow Walker(1840-1928), American lumberman, art collector, and philanthropist.

WALKER, DALE, see DAEL

6979. WALKER, DAVID E

Adventure | In Diamonds | by | David E.Walker | [logo] | London | Evans Brothers Limited [1955]

8°: 186, 4 advert, [2 blank]p; glossy tip-in photo front pl; 25 photos on 8 tip-in glossy f. Green cloth, gold lett & rules on spine. Col dj, resume, vita, other publ bks. 21.1 x 13.6 cm(8 1/4 x 5 3/8 in). Cut. JSL.

Cont: 1/2tp; other bks of author; front; tp; publ data; dedic; tab cont; ill list; fwd; 20 chs; ps; advert; blank f.

The author, a newspaperman, describes the daring removal of large quantities of diamonds from the Netherlands by several British agents during the German invasion in World War II. The events are reconstructed from interviews with the persons concerned. Reprinted in blue, cloth-type paper over bds. 12/6.

6980. -----1955, New York

David E.Walker | Adventure | In | Diamonds | W.W.Norton & Company. Inc. New York | [logo] 1955]

16°: 223, [1 blank]p; 10 photos on 2 bound-in glossy f. Bright yellow cloth-type paper over bds, black lett & rules on spine. Col dj, resume, vita, other bks of publ. 21 x 14 cm(8 1/4 x 5 1/2 in). Cut. $3.50. LC 56-10084.

Cont: 1/2tp; tp; publ data; dedic; tab cont; ill list; fwd; 19 chs; ps; blank p. JSL. Text same.

6981. -----1962, London

Adventure In | Diamonds | by | David E.Walker | Cadet Edition | [logo] | London | Evans Brothers Limited [1962]

8°: 190, [2 blank]p; front glossy tip-in photo pl; 13 photos on 4 bound-in glossy pls. Blue cloth-type paper over bds, gold lett spine. 19.7 x 13 cm(7 3/4 x 5 1/8 in). Cut.

Cont: 1/2tp; other bks of author; front; tp; publ data; dedic; tab cont; ill list; fwd; text; blank f. Text same.

6982. WALLER, ED

Ed Waller | And There's | Opal | Out There | Lansdowne | [pen & ink sketch spread over 2 p] [Melbourne: Lansdowne Press Pty.Ltd. 1969]

8°: [4], 151, [1]p; 20 pen & ink sketches(includ tp sk); 13 sketch maps. Black, cloth-type paper over bds, gold lett spine. Col dj, opals on sides; resume, vita. 23.5 x 15.2 cm(9 1/4 x 6 in). Cut. Nat Libr Austral reg no AUS 68-873. Aus $5.50. JSL.

Cont: 1/2tp; tp(spread over 2 p); publ data; tab cont; dedic; 9 chs; append; blank f.

Searching for precious opal in the Lightning Ridge field of Australia, which, as the dustjacket explains, forms "not quite a mining manual, not quite autobiography, and not altogether fiction." Aptly put, but as the contents reveal this interesting book contains much that is useful to the prospector/miner, including details on how to locate and work a claim, with the last aided by a series of sketches showing typical tools, equipment, and underground sections, which, with the remainder of sketches, was prepared by Derrick I Stone who also happens to be an author listed elsewhere in this bibliography. The appendix provides a series of index & detail maps of Australian opal fields, including an odd one on the island of Tasmania; they are of little value. Rev N Clayton, *Austral Gemm*, 10, 10, 1970, 32.

6983. WALLER, LESLIE

Living Science | Gems | and Rare Metals | By Leslie Waller | Pictures by James Reid | [orn] | Grosset | Dunlap · Publishers · New York [1968]

Edgesewn: 61 p(includ front fly & endp ; last p is fly). Ca 54 blue & black sketches, some doublep. Paper over bds, with black & white lett; black lett spine & back cover. Pale blue endp with black, blue & white sketches. Title in blue & black. 22.8 x 15.7 cm(9 x 6 1/4 in). Cut. $1.95. LC 68-15292. JSL.

Trivial, often inaccurate child's introduction to gems and some precious or valuable metals, with scarcely any redeeming feature; a work that should not have gone past a rejection slip.

6984. -----1970, paper issue

Gems | and Rare Metals |...| [orn] | Published by | Young Readers Press, Inc. | New York [1970]

Cementb: 61, [2], [1 blank]p. Col stiff paper wrap. 19.9 x 13.6 cm(7 7/8 x 5 3/8 in). Cut. $.60. JSL.

WALLERIUS, JOHAN GOTSCHALK, also JOHANN, JEAN, GOSTSKALK, GOTTSCHALK(1709-1785)

Swed doctor, mineralogist, metallurgist; MA Upsala 1730; stud medicine, MD 1735; secty Medical Faculty Upsala; 1739 apptd assessor Roy Med Coll Stockholm; elected Roy Swed Acad Sci 1750, pres of same in 1783; prof chem, metallurgy, pharmacy Upsala 1760-7(retired). Voluminous writer on mineralogical subjects, agriculture, applied chemistry. The mineral valleriite is named after him. *Biblio Chem*, 2, 528; *Biogr Univ*, 50, 127-9; DSB 14, 144; R S Mitchell, *R & M*, 61, 4, 1986, 214-5.

6985. -----1747

J.H.N. | Mineralogia, | Eller | Mineral- | Riket, | Indelt och beskrifvit | Af .. Johan Gostchalk Wallerius, | Phil. och Med. Dr. Kongl. Coll. Medici. | Ledamot och Fac. Med.Ups. Adj. | [woodcut orn] | [rule] | Med Kopparstycken. | [wavy rule] | Stockholm, | Uplagd på Lars Salvii egen kostnad, | 1747. [title in red & black]

8°: [38], 479, [1 blank]p;)(^{8} [but f 5 signed "a5"], b^8 c^3, A-Gg^8. Fold engrav pl of crystals & mineral specimens. 18.2 x 12 cm(7 1/8 x 4 5/8 in). Cropped. Ward & Carozzi, 2277; JSL.

Cont: tp; fwd; classif schemes; text in 4 sects; append; blank p.

The first mineralogical work to set forth a scheme of classification for the mineral kingdom based on chemical as well as external characters. The four sections of text encompass: 1 earths, 2 stones, 3 marls, and 4 rocks. The principal material on gemstones appears in the second section under "Stenarter," and includes chalcedonic quartzes, opal, agate, jaspers, lapis lazuli, crystalline quartzes. There is a subsection entitled "Crystaller. Akta stenar," or in Latin, "Crystalli. Gemmae," which includes rock crystal, ruby, sapphire, topaz, emerald, morion, diamond, chrysolite, amethyst, garnet, hyacinth, beryl, and several "pseudo" stones which appear to be minerals that may be confused with genuine species but are not glasses nor imitations. In the third major section, or "Malmarter," subsection "Svafvelarter," appear ambers. The fourth major section further includes a subsection entitled "Concreta," in which are corals and petrified coral, pearls, and many types of calculi including bezoars. Descriptive remarks are brief but may be considerable as in the case of diamond, p 112-5, and notes on precious stones on p 122-8, in which, interestingly enough, appear remarks on liquid and solid inclusions in gem crystals, origin of gem minerals, growth, geometric forms and significance, physical properties, and

further, a large section on the valuation of cut gems and current prices. This last section provides a table of costs, in various currencies, of rose-cut Indian diamonds, and another table that compares costs of diamonds according to Tavernier's Rule, the Hamburg Rule, and the Amsterdam Rule.

While this work is much lauded among mineralogists for its pioneering nature it is readily apparent from the above that it deserves the same laudations from gemologists but few such remarks on Wallerius' gemological expertise appear anywhere in the gemological literature.

6986. -----1753, Fr edit

Mineralogie | Ou | Description Générale | Des Substances | Du | Regne Mineral. | Par M[r] Jean Gotschalk Wallerius, Professeur |...[3 lines]...| Ouvrage traduit de l'Allemand. | Tome Premier [-Second]. | [woodcut orn] | A Paris, | Chez [to right, in 2 lines, enclosed in curved bracket:] | Durand, rue S.Jacques, au Griffon, | Pissot, Quai de Conti, à la Croix d'Or. | [double rule] | M.DCC.LIII. | Avec Approbation & Privilege du Roi.

I: 8°: xlvij, [1 blank], 569 [recte 589], [2], [1 blank]p; *-***, A-Nn[8], Oo[2]. II: [6], 1-284, 1-256; unsigned [3]f + A-R[8], S[6], a-q[8]; 4 engrav pls. 19.7 x 12.4 cm(7 3/4 x 4 7/8 in). Cut. JSL.

Cont: I: tp; dedic; transl pref; author pref; classif table; tab cont; text; errata; blank p, II: tp; approb & priv & errata; text to mineralogy; text to hydrology; with own text tp's, etc; indexes to both parts; pls.

Gemstones and ornamental stones are generally described within p 89-240 of Vol I. Other editions of this work appeared in German and other languages. See, eg, GS 13-17, 12-482, & 34-349.

WALSH, ROBERT(1772-1852)

Irish churchman; BA Trinity Coll, Dublin 1796; LLD 1820; ordained 1802; curacy Finglas, Dublin 1806-20; MD Roy Coll Aberdeen 1820; chaplain embassy Constantinople; extensive travels in Near East, Asia, Russia, Brazil.

6987. -----1828 Brief notice of some ancient coins and medals, as illustrating the progress of Christianity in the early ages. 1828. 12°, 140 p. Not seen, from Allibone, 3, 2561. This may be the first edition of the work fully described below.

6988. -----1828, 2nd edit

An Essay | On | Ancient Coins, Medals, and Gems, | As Illustrating | The Progress Of Christianity | In The Early Ages. | By | The Rev.R.Walsh, L.L.D. M.R.I.A. | &c. &c. &c. | Author Of A Journey From Constantinople | To England. | [rule] | Second Edition Greatly Enlarged. | [rule] | London: | Howell and Stewart, | 295, Holborn. | 1828.

12°: viii, 140, [3], [1 blank]p; tip-in front engrav pl; 38 other engrav pls, some tip-in, Pale green cloth, paper spine label. 18.9 x 11.2 cm(7 1/2 x 4 3/8 in). Uncut. USGS Kunz Coll, GS 33-235; JSL.

Cont: 1/2tp; front; tp; print data; dedic; advert; text; addenda; pls list; errata; blank p.

The theme of this work is not coins, medals and gems, but the early religious sect of the Gnostics with the above-named objects merely used to illustrate the history of the sect so far as Walsh was able to discover. Thus the first 80 pages refer to engraved gems, many illustrated on the plates, upon which appear the symbols and signs typically employed by the Gnostics. Allibone states that the work was "favourably reviewed in Lon. Lit. Gazette, 1828, 423, 439, 470." However, C W King, in his much larger and detailed treatise, *The Gnostics and Their Remains*, 2nd edit, 1887, calls Walsh's work a "very meagre sketch," and that it "was the only one upon Gnostic Archaeology (for Dr.Walsh's little book scarce deserves the name) that appeared since Chiflet's admirable "Apistopistus"(1617)..."(p vi), and further, he deems it "little more than an abridgment of some popular Church History for the period comprehended within its scope, illustrated from the very scanty store of monuments at his command; whilst his explanations are, like the source supplying them, based upon grounds altogether fallacious, and, even to the beginner, obviously unsatisfactory "(p xiii). Nevertheless, it appears from King's own statement, that Walsh was the first to write a substantial treatise on Gnosticism in the English language, and, by the same token, to include a substantial number of plates(16) that depict Gnostic gems.

6989. -----1830, 3rd edit. Mentioned by Allibone; not seen

6990. WALTER, ANTON J

Kleinodien | aus der | Wiener | Schatzkammer | Text Anton J.Walter | Fotos Erich Lessing | Hallwag Bern/Stuttgart [Orbis Pictus Bd 39; 1964]

Cementb: 46, [2]p; 18 col photos. Plasticized red paper over bds, col photo on front & white title; white spine with black title. 18.7 x 12.1 cm (7 3/8 x 4 3/4 in). Cut. Glossy paper. JSL.

Cont: tp; series no; text; list of series bks.

Brief history & descriptions of most important objects in the Vienna royal treasury: a jeweled pouch, crown of Holy Roman Empire, jeweled cross, orb, antique diamond ring, rock crystal beaker, others. Outstanding photos.

6991. WALTER, B Oberflächen und Schillerfarben. Braunschweig, 1895, 132 p. Not seen; cited by A E Fersman in his *Tsveta mineralov*.

WALTER, MARTIN (1906-1987)

Hotelier; b Germany, educ in Munich, then entered hotel business; to USA 1928 to continue this profession; entered amateur lapidary ranks in 1950, attended gem cutting school NY Univ; instructor Crafts Student League, NYC; ret 1971.

6992. -----1972

Gem | Cutting | Is | Easy | By | Martin Walter | All photographs by Joe Rothstein | Crown Publishers, Inc. | New York [1972]

12°: 95, [1]p; 20 col photos on tip-in double glossy f; ca 155 b&w photos & line drawings. Turquoise blue cloth, gold lett spine. Col dj, 27.9 x 16.7 cm(11 x 6 1/2 in). Cut. $4.95. LC 72-84318; ISBN 0-517-500205, and 0-517-500213. JSL. Also in cementb @ $2.50.

Cont: tp; dedic & publ data; tab cont; 5 chs; gloss; biblio; list of suppliers; index.

Excellent, clearly-written in easy, conversational style that constantly bolsters the confidence of the reader but manages to also impart much information in the passing, the latter derived from the author's considerable experience. Topics: equipment types & merits, installation & maintenance, cabochon cutting, faceting, available gem materials, their features, and such special techniques as may be needed to cut them. Ch 5 is theory,

perhaps the weakest part of the book inasmuch as it treats in too brief a fashion optical phenomena and hardness. The short glossary is unnecessary because the terms are defined in the text.

6993. -----1977

Gemstone | Carving | Martin Walter | Chilton Book Company · Radnor, Pennsylvania [1977]

Cementb: xiv, [1], [1 blank], 157, [1 blank], [1], [1 blank]p; 168 fig; 13 col photos on 2 glossy f not includ in pag. Pale green cloth-type paper over bds; gold lett spine. Col dj, col photo; resume, advert. 26 x 18 cm(10 1/4 x 7 1/8 in). Cut. $12.50. LC 76-27650; ISBN 0-8019-6192-0 & 0-8019-6193-9 (paper). JSL.

Cont: 1/2tp; tp; publ data; dedic; pref; ackn; tab cont; ill list; text tp; introd; 16 chs; gloss; supplier list; biblio; index; blank p; vita & portr; blank p.

Written in his easy manner as noted above, Walter manages to provide a refreshing look at amateur gemstone carving as learned through much trial and error, and to bring to the beginner both encouragement and practical advice. Topics: brief history of the art through the ages and in many lands, carving materials & suitabilities, use of clay models, steps needed to bring the rough to finished form, machinery, tools, agents, etc, specific projects and how they were done, and ending with a chapter on gem engraving. As before, the glossary is unneeded, but the bibliography is useful because of referencing numerous magazine articles in which the pioneering attempts at gemstone carving by other amateurs are explained.

6994. WALTERS, HENRY BEAUCHAMP(1867-1944)

Catalogue Of The | Engraved Gems And Cameos | Greek Etruscan And Roman | In The British Museum | By H.B.Walters, O.B.E., M.A., F.S.A. | Keeper of the Department of Greek | and Roman Antiquities | Revised and Enlarged Edition | London: Printed by order of the Trustees | Sold at the Museum & by Bernard Quaritch, Ltd., 11 Grafton | Street, W.1, and Humphrey Milford, Amen House, E.C.4 [1926]

4°: lxii, [2], 419, [1 blank]p + Pls I-XLIV, each recto on 44 bound-in f; 116 text fig. Dk green cloth, blind frame on covers; gold spine title & blind rules. 27.7 x 21.6 cm(11 x 8 1/2 in). Cut. LC 26-23853. JSL.

Cont: tp; print data; pref; tab cont; pls list; introd; biblio(p lxi-lxii, 36 entries); cat tp; conversion scale; cat; concordance; localities index; materials index; subj index; inscript index; pls.

Pref: "The present volume is largely based on materials collected for a revision of the original work by Mr.A.H.Smith [which see], the late Keeper, but many recent acquisitions, and also many gems and pastes omitted in the previous edition, have now been incorporated." This excellent and much in demand work provides at the outset a history of this large and important collection and then discusses the varieties of gemstones used, lapidary treatment, ancient gem engravers, and the history of gem engraving in antiquity which by itself forms an important subsection in this introductory. The catalog proper describes scarabs, cameos, and intaglios, and also various in the round figures and several vases embellished with engraved work.

WALTERS, H B, see MURRAY, A S, et al

WALTERS ART GALLEY, see JEWELRY ANCIENT TO MODERN

6995. WALTHER COLLECTION

Collection Walther | [double rule] | Pierres Dures | de la Chine | Jades - Cristaux De Roche - Agates | Turquoise - Améthyste | Etc. | des Dynasties Ming et Tsing | Céramique de la Chine |...| Dont La Vente Aura Lieu | à l'Hotel Drouot... | Les Lundi 31 Mars, Mardi 1er et Mercredi 2 Avril 1924 |... [Paris, 1924]

4°: [4 blank], 34, [1], [5 blank]p; 8 photo pls bound-in. Pale gray wrap, overprinted in golden yellow floral pattern, title label pasted on; flaps fold inward over end blank f. 32.1 x 22.6 cm(12 3/4 x 8 7/8 in). Uncut. JSL.

Of the 294 lots, 251 are hardstones and organic ornamental materials, ie, jades(109 lots), rock crystal, chalcedony, carnelian, agate, amethyst, quartz, lapis-lazuli, aquamarine, malachite, turquoise, coral, amber, and rhinoceros horn. Major dimensions given; only one plate depicts ceramics, the remainder are photos of good quality of dozens of carvings in the named materials.

WALTON, JAMES(1881-1955)

Brit surgeon; BSc London U 1906; BS 1908, MS 1909; surgeon to George V, Edward VIII, George VI; fellow Roy Coll Surgeons; interested himself in gemology, winning FGA with distinction 1945. Obit *G & G*, 8, 7, 1955, 221; *J Gemm*, 5, 4, 1955, 235.

6996. -----1952

Physical | Gemmology | By | Sir James Walton | K.C.V.O., M.S., F.R.C.S., M.B., L.R.C.P., | B.Sc., F.G.A., F.A.C.S. | [logo] | London | Sir Isaac Pitman & Sons, Ltd. [1952]

8°: xii, 304 p; 400 fig; fold tab faces p 8; many text tab. Pale tan unfin cloth, gold logo on cover; gold lett spine. Dk blue dj, yellow & white lett on front; white lett spine; back cover white with other publ bks in blue lett; flap resume, other bks. 21.6 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. 30/-. JSL. LC 52-14889.

Cont: 1/2tp; tp; publ data; dedic; pref; tab cont; 8 chs; append(biblio p 291-2, 28 entries); index.

No doubt influenced by the lack of explanation in ordinary gemological textbooks, Walton studied physical chemistry and crystallography to bring before other students of gemology a simply-written text on subjects that are ordinarily not broached until college. Topics: nature and properties of atoms, crystal structures and crystallography, geological environments of gemstone deposits(!) but returning to the main theme with discussion of the properties of gem crystals, and ending with a dissertion on lapidary treatments. This last chapter, according to R Webster's review, *J Gemm*, 4, 1, 1953, 36-7, seems "lost" and could have been omitted without loss to the rest of the text. Eric Bruton, *The Gemm*, 21, 257, 1952, 218-9, puts it well, "not a book for the average jeweller, but it is a book, and a very good one indeed, for the keen gemmologist, who will find in this one column all the up-to-date information on the basic sciences that he would otherwise have to search for in the works of many authorities in different subjects." There are some trivial errors and surprisingly poor crystal drawings.

6997. -----1952, New York

Physical | Gemmology |...[logo omitted]...| Pitman Publishing Corporation | New York Toronto London [1952]

Identical, even to using very similar cloth, but the gold logo on the cover omitted; dj price in USA $6.00. Rev: *G & G*, 7, 9, 1953, 286; J Sinkankas, *R & M*, 28, 1953, 176. JSL.

6998. -----1954

A Pocket Chart of | Ornamental and Gem Stones | By | Sir James Walton | K.C.V.O., M.S., F.R.C.S., M.B., | L.R.C.P., B.Sc., F.G.A., F.A.C.S. | London: Sir Isaac Pitman & Sons, Ltd. [1954]

8°(oblong): v, [1 blank], 73, [1 blank]p; spectrum diagrs in text. Bright green cloth, silver logo on cover; silver spine lett. Red & white dj, resume, other publ bks. 10.4 x 16.7 cm(4 1/8 x 6 5/8 in). Cut. All pale tan semi-glossy paper. 12/6 net. JSL. LC 55-14306.

Cont: 1/2tp; tp; publ data; pref; tab cont; text; blank p.

Not a "chart" as one usually thinks of the term, but rather a booklet of tables, one part of each table consisting of spectral absorption diagrams. The table classifications are by color and multicoloration, asterism, chatoyancy, opalescence and sheen, white & gray, and black as displayed by gemstones. Entering a table with one of these arguments results in finding the names of the stones, their physical & optical properties, filter to be used, appearance under a lens or microscope, spectrum, and formula of chemical composition. While the scheme is unique it has been criticized for inaccuracies in places or confusing in the manner in which some data are presented. Rev R Webster, *The Gemm*, 24, 282, 1955, 15-6; *J Gemm*, 5, 1, 1955, 42-3.

6999. -----1954(?), New York

A Pocket Chart Of |...| Pitman Publishing Corporation | New York Toronto London [Identical; $2.75; JSL]

7000. -----1957(?), Ger edit Tabellen zur Edelstein-Bestimmung von Sir James Walton. "Aus dem Englischen übertragen von Prof.Dr.W.F.Eppler," Rühle-Diebener Verlag KG., Stuttgart. Not seen. DM 12.20. Rev B W Anderson, *The Gemm*, 36, 317, 1957, 226-8, "with additions and emendations by Eppler." Also by K Chodoba, *Der Aufschluss*, 9, 1, 1958, 21-2.

7001. -----1970(?), 2nd Ger edit

Tabellen | Zur Edelstein-Bestimmung | von | Sir James Walton | K.C.V.O., M.S., F.R.C.S., M.B., | L.C.R.P., B.Sc., F.G.A., F.A.C.S. | [logo] Rühle-Diebener-Verlag KG. · Stuttgart [nd]

Cementb (oblong): [6], 83, [1 blank]p. Blue cloth, gold title on cover. 12.2 x 19.2 cm(4 3/4 x 7 1/2 in). Cut. DM 20.00. JSL.

Cont: 1/2tp; tp; publ data; Walton pref; explan; tabs; blank p; tabs of properties; blank p.

The additional material is most obvious in the section following the main tables wherein are provided lists of refractive indices, double-refractions, specific gravities, and "scratch" hardness. Rev *The Gemm*, 36, 317, 1957, 226-8; K Chudoba, *Der Aufschluss*, 9, 1, 1958, 21-2.

7002. -----1955 The formation of quartz and chalcedony. *The Gemm*, 24, 288, 1955, 119-23; 289, 139-42, ill; 290, 164-9, ill; 291, 191-4, ill. *Min Abstr*, 14, 2, 1959, 120.

7003. WANG, C C The rhodonite veins of Hsihutsan, Changping district, north of Peiping. *Geol Soc China, Shangahi, Bull* 15, (1), 1936, p 87-104. Geology of 7 rhodonite veins; the material is said to be suitable for ornaments. Not seen.

7004. WANG TA-LUNG or WANG DALONG T'ao chai kü yu t'u... Descriptive catalogue of jades in the Tuan-fang collection. Also given in Han-Shan Tang, London, List 28, 1985, nr 99 as "Taozhai GUYU TU [Illustrations of jades in Taoshai collection]." Shanghai, 1936, 2 vols, 294 p, many woodblock ill, 33 x 22 cm. Stitched, in cloth case. See also S H Hansford, *Chinese Jade Carving*, 138, "Illustrations and catalogue of 150 ancient Chinese jades in the collection of Viceroy Tuan Fang." Loehr & Huber, *Ancient Chinese jades*, 437, give this as "Illustrated catalogue of ancient jades in the T'ao-chai collection." Born, 22; Yang 919.

WANNER, A, see WARD, L F, et al

7005. WAPIŃSKA, ANNA Materialy do wcześnosredniowiecznego bursztyniarstwa gdańskiego. *Gdańsk Wczesnośredniowieczny*, t 6, 1967, 83-100, ill, 3 pls, biblio. Not seen.

7006. WARD, ANNE; CHERRY, JOHN; GERE, CHARLOTTE & CARTLIDGE, BARBARA

Anne Ward . John Cherry . Charlotte Gere . Barbara Cartlidge | Rings | Through the Ages | Illustration consultant: Marielle Ernould Gandouet | Rizzoli | New York [Rizzoli International Publications, Inc; 1981]

Cementb: 214, [2 blank]p; 46 col photos; 379 b&w photos; 21 line drawings. Yellowish-green silk(?), gold lett spine. Dk green dj, col photos & gold lett on front; flap summ & publ adverts. 27.9 x 25 cm(11 x 9 3/4 in). Cut. LC 81-51104; ISBN 0-8478-0397-X. $75.00. JSL.

Cont: 1/2tp; tp; publ data; tab cont; text tp's(for each pt); texts; append tp; biblio(p 200-1, 104 entries); exhibitions & ackn; photo credits; index; blank f.

Authors contributed: A Ward, "The Rings of Antiquity," 7-50; J Cherry, "Medieval Rings, 1100-1500," 51-86; C Gere, "Rings from 1500 to 1900," 87-133; B Cartlidge, "Twentieth-Century Rings," 135-98. The illustrations are almost evenly distributed among the parts and are all of uniformly high quality; in many instances they magnify rings to make details plain. This handsome and useful volume stresses largely the development of of rings and their uses throughout the ages and has less to say about the designs involved and the metal techniques employed in their manufacture, with even less devoted to gemstones, and when the last are mentioned, it is mostly in connection with associated curious lore. Nevertheless, there is much to be learned from merely viewing the very many cut gems that are shown in the photographs. The cementback("perfection" !!) binding is a serious mistake for otherwise so fine a production; the book is sure to disbind with use. Rev F H Maier, Jr, *JCK*, Oct 1982, 160, 162, "while Art Nouveau was recognized properly, very few illustrations of Art Deco appear... most of the more recent illustrations are wild and exotic... the rings bear little resemblance to any pieces sold by jewelers or worn by the public,"

7007. WARD, FRED The incredible crystal diamonds. *Nat Geogr Mag*, 155, 1, Jan 1979, 84-113, 34 col photos, 1 b&w photo. Popular, general article, in the usual style of the journal: value of cut gems, history of the diamond, famous diamonds, modern mining & recovery methods(mainly in Africa),

commerce, industrial & scientific uses. Accurate as well as interesting.

7008. -----1985 The Pearl. Ibid, vol 168, 2, Aug 1985, 192-223, 36 col photos. Splendid, comprehensive article in which the current status of the pearl industry, world-wide, is admirably summarized. Principal emphasis on the culture pearl in Japan, Southwest Pacific, and China, with remarks on culture of freshwater pearls in Tennessee and not neglecting a resume of pearls throughout history and their application in ornament.

7008A. -----1987 Jade Stone of Heaven. Ibid, 172, 3, Sept 1987, 382-315 ca 40 col photos & tinted diagrs. Interesting, accurate and especially notable for the author's account of his visit to the famous but rarely seen nephrite deposits & alluvial stream jades in the Kunlun Mountains of China. Ward includes photos of alluvial sources, local jade merchants, cutters, etc, and also documents his visits to a jade cutting shop in China and the jadeite marketplace in Burma, and with remarks on the jade smugglers of Burma, the New Zealand jade area, and another in British Columbia.

7008B. -----1990 Emeralds. Ibid, 178, 1, Jul 1990, 38-69, 34 col photos, col sketch map. Similarly excellent article recounting Ward's travels to deposits of emerald in Africa, Columbia, Brazil, etc, and to the markets in which rough and cut stones appear, and with remarks on the history and lore of the emerald.

7009. WARD, JOHN(1832-1912) The sacred beetle: a popular treatise... London, J.Murray, 1902. xviii, 122 p, front, illus. xvi pls, 22 cm. Not seen; from LC 2-9336.

7010. -----1902, New York

The Sacred Beetle: | A Popular Treatise | On Egyptian Scarabs | In Art And History. | By John Ward, F.S.A. | Author Of "Pyramids And Progress," "Greek Coins And Their | Parent Cities," Etc. | Five Hundred Examples of Scarabs And Cylinders, | The Translations By | F.Llewellyn Griffith. M.A. | The distinction of the styles of Scarabs is as much a special subject as the | discrimination of the manner of painters, and as invisible to those | who are unfamiliar with the study. | Dr.Flinders Petrie, "Historical Scarabs." | New York: | Charles Scribner's Sons, | 153-157, Fifth Avenue. | 1902. | [Copyright reserved by the Author.] [title in red & black]

8°: [1 blank], [1], xviii, 122, [2]p; front bound-in photo pl(conjugate with f xvii-xviii) + 104 fig(photos, sketches, map), also numerous smaller text-sketches + 16 collotype, greenish tint pls on 8 fold doublef, bound-in(according to ill list these were supposed to be separated and individually inserted in the text). Dk blue-green cloth, gold lett & turquoise blue oval cartouche, and another, rectangular, in pale brown, on front cover gold lett, rule, scarab on spine. 21.5 x 14.1 cm(8 1/2 x 5 1/2 in). Teg. JSL.

Cont: blank p; front; tp; print data; dedic; pref; tab cont; pls list; ill list; text; index; 2 p advert. .

Ward assembled his collection of scarabs and cylinders during many "wanderings by the Nile," and obtained the services of his friend F Llewellyn Griffith to arrange the collection and translate the inscriptions. The introduction discusses the uses of scarabs, the different types, significance of forms & inscriptions, and is followed by a detailed catalog that contains much ancillary information on ancient persons and events as well as descriptions of the pieces themselves. The specimens are accompanied by photographic illustrations of persons and places and numerous small line drawings of inscriptions. The whole makes for a much more fascinating treatise than is to be found in the usual scarab collection catalog. The collotypes are printed on very stiff, thick paper, and apparently meant to be cut apart and inserted individually in appropriate places in the text. However, in the present edition, they appear as double leaves, inserted at only one place, thus making the place for the other leaf incorrect. This also results in an error in indexing for at least half the plates.

7011. -----1968, San Diego reprint

The Sacred Beetle | Egyptian Scarabs | In Art And History | by | John Ward | Five Hundred Examples Of Scarabs | And Cylinders | The Translations by | F.Llewellyn Griffith | [rect photo] | [logo] | Malter-Westerfield Publishing Company | 3051 Briand Avenue · San Diego, California 92122 [1968]

Cementb: xviii, 1222, [1], [1 blank], [16], [2 blank]p; same ill but pls untinted. Bright yellow wrap, photo & black lett on cover; other surfaces white; black lett spine. 21.4 x 13.6 cm(8 1/2 x 5 3/8 in). Cut. LC 68-59305.

Cont; 1/2tp; front; tp; publ data; pref; tab cont; pls list; ill list; text; index; pls tp; pls; blank f.

P[ivl; "Unchanged Reprint of the 1902 Edition;" dedication f & advert f omitted; all pls now grouped at end.

WARD, LESTER FRANK(1841-1913)

USA geol/sociologist; duties in US Treasury & Geol Survey 1865-1906; specialty paleobotany; prof soc Brown U 1906-13; sociology pioneer, developed concept of "telesis," ie, "conscious effort of society for progress;" numerous publ in geol & sociology.

7012. -----1889 The geographical distribution of fossil plants. *Eighth Ann Rept USGS 1886-'87*, Pt 2, Wash DC 1889, p 663-960, doublep, part col fold pl showing geographic distribution of fossil plants in USA(includ Alaska). Very many localities for fossilized wood, including a number in which the wood is suitable for lapidary purposes although not so indicated; numerous footnote references. GS 6-1009.

7013. -----1898 Descriptions of the species Cycadeoidea, or fossil cycadean trunks, thus far determined from the Lower Cretaceous rim of the Black Hills. *Proc USNM*, 21, nr 1141, 1898, p 195-229. These are silicified and have been sliced and polished by amateur lapidaries. GS S33-538.

7014. -----1899 The Cretaceous formation of the Black Hills as indicated by the fossil plants... with the collaboration of Walter P.Jenney, Wm.M.Fontaine, and F.H.Knowlton. *Nineteenth Ann Rpt USGS 1897-'98*, Pt 2, Wash DC 1899, p 521-946, fig 117-122, pls 53-172. Areas in which cycad trunks are found, completely silicified and suitable for lapidary purposes; the plates are largely photographs of specimen trunks. GS 6-83.

7015. -----1900

Department Of The Interior. | [rule] | Report | On The | Petrified Forests Of Arizona. | By | Lester F.Ward, | Paleo-

botanist, U.S.Geological Survey. | [seal] | Washington: | Government Printing Office. | 1900.

Edgestapled: 23 p. Pale greenish-gray print wrap, title on cover. 23 x 14.6 cm(9 1/8 x 5 3/4 in). Cut. JSL. GS 515-1029 & LC 1-20636.

The extremely important report by Ward to the Secretary of The Interior which led to the establishment of the Petrified Forest National Monument in Arizona. First appears preliminary correspondence preparatory to Ward's visit, followed by his report of travel & inspections, the need for preservation, local opinions on same, and his recommendations. This report was reproduced in *Report of the Smithsonian Institution for 1899*, Washington, D.C., p 289-307, 1901, 3 pls. For a valuable review of the literature concerning the petrified forests of Arizona and nearby regions, and an appreciation of Ward's efforts, as well as those of others to preserve the forest in Arizona, with details of their accomplishment and writings, see Sidney R Ash, "Ferns from the Chinle Formation (Upper Triassic) in the Fort Wingate area, New Mexico, *USGS Prof Paper* 613-D, 1969, iv, 52 p, ill.

7016. -----1900 Status of the Mesozoic floras of the United States. First paper: the Older Mesozoic by Lester F.Ward with the collaboration of Wm.M.Fontaine, Atreus Wanner, and F.H.Knowlton. *Twentieth Ann Rpt USGS for 1898-'99*, Pt 2, Wash DC, 1900, p 211-748, pls 21-179. Remarks and descriptions of silicified woods of the Southwest United States, particularly p 315 ff, and an extended description of the petrified forests of Arizona, p 324-32. The plates photographically depict silicified cycad trunks from Wyoming. GS 5-901.

WARD, WILLIAM HAYES(1835-1916)

USA orientalist, language scholar, minister; by early teens had studied Hebrew, Greek, Latin; later able to read Assyrian and other Near East languages; grad Amherst Coll 1856, and Andover Theological Seminary 1859, licensed to preach; some time prof Latin & nat sci Ripon Coll; to staff *New York Independent* 1868, becoming edit 1896-1913. DAB: "ultimately he limited his work... to the study of Assyrian and Babylonian seals, regarding which he became the leading authority in the world."

7017. -----189-?

The Metropolitan Museum Of Art | [rule] | Hand-Book No.12 | [rule] | Seal Cylinders | And Other Oriental | Seals | By | William Hayes Ward | Published By | The Metropolitan Museum Of Art [New York, 189-?]

Edgestapled: 48 p. Pale gray wrap, title on cover; press note inside front cover. 22 x 14.5 cm(8 3/4 x 5 5/8 in). Cut. LC 24-30380. JSL.

Cont: tp; introd; catalog.

At the time of writing, the collection numbered 751 cylinders formed around a nucleus of 60 specimens obtained by Luigi Palma Di Cesnola(1832-1904) during his excavations on Cyprus. Subsequently almost all others were collected by Ward. Brief remarks on history, uses of seals, materials, types, etc, with catalog arranged according to countries and mythological designs. Each piece is described, material identified, probable age given, but omitting dimensions. Included: several cone seals, Sassanian seals, scarabs, and some miscellaneous pieces. Paper embrittled; probably few copies of this catalog survive intact.

7018. -----1887 The Babylonian seals. *Scribner's Mag*, New York, 1, Jan-Jun 1887, 80-92, headpc with title + 25 fig. JSL. Table of contents: "with illustrations from seals in the author's collection, and after De Clercq, Pinches, and others." Succinct, readable, touching all major points.

7019. -----1908 The cylinder and cone seals in the museum of the Hermitage, St. Petersburg. *Old Testament and Semitic Studies in Memory of William Rainey Harper I.*, Chicago, 1908, p 359-80. Not seen.

7020. -----1909 Cylinders and other ancient oriental seals in the library of J. Pierpont Morgan. Catalogued by William Hayes Ward. New York: privately printed, 1909, 4°: 129 p, 39 pls, 31 1/2 cm. Not seen, but presumably the reprint below is identical save for imprint.

7020A. -----1920

Cylinders | And Other Ancient | Oriental Seals | In The Library Of | J.Pierpont Morgan | Catalogued By | William Hayes Ward | [Yale U logo] | New Haven | Yale University Press | London · Humphrey Milford · Oxford University Press | MDCCCCXX [1920]

The titleleaf is a cancel.

4°: [2 blank] f + 129, [1 blank], [1], [3 blank] p + [2 blank] f; 39 pls(323 specimens depicted in litho). Pale tan-gray paper over bds, white vellum spine, gilt spine title. Teg, others deckled. Heavy, hand-laid type paper. 30.8 x 24 cm(12 1/8 x 9 3/4 in).

Cont: 2 blank f; 1/2tp; tp; copy no; contents tp; tab cont; introd tp; introd; text; colophon; 3 blank p; 2 blank f.

The colophon reads: "Two Hundred And Fifty Numbered Copies Of This Book Designed By Frederic Fair Child Sherman Have been Privately Printed For J. Pierpont Morgan In The Month Of March MCMIX". In view of this date as compared to that upon the titlepage, and the latter's new date, as well as being a cancel, it would seem that the work was reprinted from standing type and plates without bothering to alter the date in the colophon. I have no clue as to the actual number of copies that were struck off, and perhaps this copy, numbered in red ink "143," is actually part of the original issue.

The introduction provides a brief survey of what cylinder seals are, their uses, materials, geographical distribution in several cultures, significance of designs, etc, following which appears the catalog describing the specimens, giving cultural provenances, dimensions, material, and other data, with the splendid, carefully-executed plates made from the seal impressions. The entire work is tastefully got up from highest quality materials.

7021. -----1910

The Seal Cylinders | Of | Western Asia | By | William Hayes Ward | [seal] | Washington, D.C. | Published By The Carnegie Institution Of Washington | 1910 [Carnegie Inst Publ no 100]

8°: xxix, [1 blank]; [1], [1 blank], 428 p; 1315 text & ch orn figs. Pale brown, stiff paper wrap, title on cover & spine. 28.7 x 22.5 cm (11 1/4 x 8 7/8 in). Cropped. paper embrittled. LC 10-7499. JSL.

Cont: tp; publ data; pref; tab cont; ill list; text tp; text.

P iii: "For twenty years I have given a good part of the minutes or hours that could be spared from very engrossing daily office-work to the study of Oriental seal cylinders." As the

extensively annotated bibliography, filled with astute observations, attests, Ward also carefully studied all previous publications on cylinder seals and with this knowledge and that gained frmn his personal examinations of cylinders or casts in various collection presents here an outstanding work. The introduction discusses the origins of seals, their uses, materials from which made, including gemstones, ornamental stones, and fine-grained stones of other types. These are briefly described and a short essay on engraving technique presented. A separate chapter discusses classification schemes and is followed by descriptive chapters which are studded with line drawings of figures and inscriptions. The meticulous attention to detail that Ward brought to this study has made it the fundamental work on the subject; both the original publication and the reprint below are scarce. Goodland, 638.

Interesting insights on Ward's work and problems encountered are contained on reports of progress in the *Year Books* of the Carnegie Institution of Washington, D C, the first report being *Year Book* 2, 1903, p xvii, which notes that "Dr.Ward has been for fifteen years devoting his spare time to oriental archeology... especially in the seal cylinders... he has handled thousands... and has paper impressions of thousands." At this time it was estimated that the monograph would be completed and ready for publication in two years. In *Year Book* 3, 1904, p 85, some 220 pages had been prepared for printing and estimated date of completion given as 1905, later pushed back to 1906(*Year Book* 4, 1905, 55). Further delays were reported in *Year Book* 5, 1906, 59, involving, among other reasons, the need to engage and direct the efforts of two artists for preparing the illustrations. The year books also mentioned that a grant was awarded George F Kunz "to investigate the precious stones and minerals used in ancient Babylonia in connection with the investigations of Mr.William Hayes Ward." The only mention of Kunz thereafter, *Year Book* 3, 1904, 84, merely states that he was collecting the necessary literature.

7022. -----1919, facsimile

The Seal Cylinders |... | 1910 [Carnegie Inst Wash Publ No 100]

Pagination same; same ill; in dk blue buckram, blind-ruled frames on covers, gold lett spine. Pale tan endp. 26 x 19.7 cm(10 1/4 x 7 3/4 in). Cut. All paper pale greenish-yellow! Prepared by Columbia Planograph Company and printed by J.B.Lippincott Company of Philadelphia(p [ii]).

7023. WARNCKE, J Bernsteinkunst und Paternostermacher in Lübeck. *Nordelbingen*, 10, 1934, 428-64. Not seen; from G R v Bock, 181.

WARNER, M P, see FERSMAN, A E, 1946

7024. WARNER, OLIVER

Oliver Warner | The Crown | Jewels | With | Sixteen Colour Plates By | Paxton Chadwick | Penguin Books | MDCCCCLI [title in double-rule frame; Harmondsworth, Middlesex, 1951; "King Penguin Books 60"]

8°: 30, [2]p; 16 col drawings on 8 tan-tinted bound-in f; oval sketch faces title. Diaper-patterned paper, red, white, yellow, over bds; title in panel on cover & spine. Similar dj; resume, other publ bks. 18 x 12.1 cm (7 1/8 x 4 3/4 in). Cut. 4/-. JSL.

Cont: ser tp; quot; tp; publ data; ackn; text; biblio; pls.

Neat, handsome booklet presenting popular account and historical anecdotes of the British Crown Jewels. The color plates, specially drawn, show 7 crowns, and the scepter which bears the largest of the Cullinan diamonds.

7025. WARNES, ARTHUR R

Building Stones | Their Properties, Decay, And | Preservation | By | Arthur R.Warnes | A.Inst.O., M.I.Chem.E., A.I.Struct.E. | Member Of The Faraday Society; The Society Of Chemical Industry, | And The Chemical Engineering Group, And Of The | Ancient Monuments Society | [logo] | London: Ernest Benn Limited | Bouverie House, Fleet Street | 1926

8°: xv, [1 blank]p + p 17-269 + [3 blank] + [8 semiglossy advert] p; 11 tab, 66 photos on 41 tip-in glossy f. Pale gray cloth, gilt spine. 21.6 x 14.1 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; dedic; pref; tab cont; ill list; text index; 3 blank p; adverts.

The primary purpose of this admirable treatise is to describe the building & ornamental rocks of the British Isles and to show wherein they are liable to decay and under what circumstances, along with a general examination of rock decay and the prevention or cure of same. The gemologist will find useful information on the handsome marbles that are quarried not only in Britain but elsewhere, as in Belgium and Italy.

7026. WARRING, RON

Ron Warring | Rock Collecting | and Making | Semi-Precious Jewellery | Cutting and Polishing | Gemstones | [logo] | Stanley Paul/London [1972]

8°: viii, 112, [7], [blank]p; 8 col photos on 4 bound-in glossy f; 57 line drawings; 21 tab. Blue paper simulating buckram over bds; gold lett & decor spine. Col dj, flap resume; adverts back flap & cover. 21.5 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. £ 2.60. ISBN 0 09 111710 0. JSL.

Cont: 1/2tp; other bks of author; tp; publ data; tab cont; ill list; introd; 12 chs; 3 appends; blank p.

Misleading title: nothing is really said about "rock collecting," but rather an altogether too brief attempt is made to describe rocks and minerals. Actually the major portion of text is devoted to lapidary work. The author obviously is unfamiliar with rocks and minerals as evidenced by numerous factual errors and inclusion of minerals that are not used for gems, eg, alabandite, alunite, antimonite, bournonite, "ikorylite," and zaratite. The chapters on lapidary work are generally competent descriptions but one gains the impression that the author has done little of it. Only the last chapter deals with jewelry and it is mostly a description of findings used in assembly. Rev G Hunt, *Gems*, 5, 2, 1973, 59; M O'Donoghue, *J Gemm*, 13, 7, 1973, 285.

7027. WARTSKI LIMITED

Special Coronation Exhibition of | the work of | Carl | Fabergé | including selected items | from the Royal Collection | at Sandringham | Wartski Limited | 138 Regent Street London W1 | and at Llandudno [1953]

Cementb: blank f supplied + 29, [1]p; front portr pl on glossy f; 11 photos on 4 glossy f. V stiff, pale tan wrap, black lett, blue rules & white crown on dull red panel enclosed in blue fleur-de-lis border on cover. 24.8 x 17.5 cm(9 3/4 x 6 7/8 in). Cut. 5 s. JSL.

Cont: blank f; front; tp; ackn; fwd; notes; catalog.

An exhibition in London at Wartski's shop of 365 Fabergé pieces lent by the Queen, among other private collectors, during May 20-Jun 13, and coinciding with the Coronation of Elizabeth II. and the appearance of Snowman's *The Art of Carl Fabergé*, which see. The foreword by Sacheverell Sitwell(1897-) is a brief appreciation of Fabergé's work. The catalog lists and briefly describes each piece, some of the most important appearing upon the plates.

7028. WARZIN, JOE Lapidary barrel tumbling. Cleveland, Ohio: Warzin's Rock Shop Lapidary Research & Supply, 1971. Wrap: 74 p, 9 x 6 in. Not seen. Rev in *Lap J*, 25, 10, 1972, 1415.

7029. WASHBURN, HOWARD E

American Pearls | By | Howard E.Washburn.. Price, 50 cents | The Ann Arbor Press | Ann Arbor, Mich[igan]. [1908]

Edgestapled: 48 p; 5 photo pls on glossy f, stapled-in; 2 fig. Thick, gray paper wrap, rough-surfaced, printed. 25.3 x 17.4 cm(10 x 6 7/8 in). JSL.

Cont: tp; publ data; explan Pl I; tab cont & pls list; 9 unnumb chs.

Excellent popular presentation of the major facts about American freshwater pearls, the host mussels, fisheries, techniques of fishing, pearl values, dealers in pearls, care of pearls, pearl origin & culture. The first plate, a good one, shows typical pearl shapes; of the 15 shown, many are baroque. Other plates show shells, pearls, pearl necklace, and Japanese culture pearls. There are 25 references in footnotes. Very scarce.

WASHINGTON, HENRY STEPHENS(1867-1934)

USA petrologist, esp volcanic rocks; AB, AM, Yale U 1886-88; PhD Leipzig U 1893; in youth taught in Yale U; numerous & extended travels to volcanic regions, esp Mediterranean; most of adult career staff, Carnegie Inst Wash DC. Prolific writer of articles and monographs of much value.

7030. -----1922 The jades of Middle America. *Proc Nat Acad Sci* 8, 11, 1922, 319- 26; also sep in *Papers, Geophys Lab, Carnegie Inst Wash* no 473. JSL.

Among the first authoritative thin-section & other studies of jadeite objects from the cenote of Chichen Itza, Yucatan, Mexico: color, fracture, cleavage, polish, hardness, density, chemical composition, refractive indices, and phase diagram.

7031. -----1922 The jade of the Tuxtla statuette. *Proc US Nat Mus*, Wash DC, 60, art 14, 1922, p 1-12, Pls 1-2; also issued sep in printed wrap. JSL. Mineralogy & properties, etc of a statuette found on the coast of the Gulf of Mexico, ca 100 miles SW of Vera Cruz, Mexico. Provides remarks on archeological significance.

WASHINGTON, H S, see ARKANSAS DIAMOND CO; also BISHOP, H R, 1900

WASMANN, E, see BERNSTEINFORSCHUNGEN

7032. WATERFIELD, HERMIONE

Fabergé | from | The Forbes Magazine | Collection | by | Hermione Waterfield | Edited by | Christopher Forbes

Irritating absence of publisher, date, place, etc; the only clue appears on last unnumbered page, giving a printer in Holland, and noting that the printing was done "in conjunction with White Bros (England)."

Cementb: 115, [1]p; 32 col & b&w photos. Unfin black cloth, gold cover title. Black dj, small col photo & title in gold & white on front; rest blank. 23 x 18 cm(9 x 7 in). Cut. JSL.

Cont: tp; fwd; tab cont; introd; remarks on Fabergé's work; remarks on the eggs; chron; workmasters & designers; biblio(p 19-21, 31 entries); ackn; cat; cases; marks; materials; print data.

Internal dates and use of cloth for covering, also the diastrous use of "perfection" binding suggest that this is the first issue of the Forbes Collection catalog; it is much smaller in size than the issue described below. The latter is made from less expensive materials but probably will last much longer.

The preliminary matter consists of the foreword by Malcolm S Forbes, remarks by Everett Fahy, remarks on the eggs by Waterfield, etc. The catalog is descriptive and much useful ancillary information is provided both in the initial material as well as in the catalog. See below for further details on content.

7033. WATERFIELD, HERMIONE & FORBES, CHRISTOPHER

Fabergé | Imperial Eggs | and other fantasies | by | Hermione Waterfield | and | Christopher Forbes | Illustrated with works from | The Forbes Magazine Collection, New York | Bramhall House · New York [1980]

8°: 143, [1 blank] p; 124 col photos; 48 b&w sketches; 70 b&w photos; ch orns. Black, leather-like paper over bds; gilt spine. Black dj, col photos both sides. 28 x 22.8 cm(11 x 8 7/8 in). Cut. $19.95. JSL.

Cont: 1/2tp; dedic; tp; publ data; tab cont; ackn; fwd; ps; introd; introd(by Fahy); biblio(p 14, 23 entries); packing cases; catalog of eggs (Append A); Fabergé collections open to public(Append B); Fabergé reproduced in Forbes Mag; Fabergé to see & buy; changes in ownership; workmasters & marks; details(Append D, with b&w photos); blank p.

Very useful, lavishly illustrated catalog of the Forbes Magazine collection, with details and illustrations that are absent in other Fabergé catalogs. The preliminary remarks of Malcolm S Forbes(d 1990), publisher of the magazine, tells how he began the collection and its subsequent augmentations, with remarks on the more recent acquisitions by his son, Christopher Forbes, and an appreciation of Fabergé and his work by Watertield and another by Fahy. The photographs are good quality and show large and small eggs, carvings, ornamental pieces, etc. An interesting and valuable feature is Appendix A, p 113-27, by Robert Shapiro, which shows by sketches all known Fabergé eggs presented by czars Alexander III and Nicholas II(to czarinas Maria Feodorovna and Alexandra Feodorovna),and including their present whereabouts.

7034. WATERMEYER, BASIL(1927-)

Diamond | Cutting | A complete guide to | diamond processing | Basil | Watermeyer | [logo] | Purnell | Cape Town · Johannesburg · London [1980]

16°: [4], 387, [1 blank]p; over 800 photos & line drawings; 15 col plates not includ in pag. Dull, grayish-green cloth-type paper over bds; white lett & logo on spine. Col dj, cover photo, resume, portr, brief vita. 24.3 x 16.7 cm(9 1/2 x 6 5/8 in). Cut. USA $25.00. ISBN 0 86843 030 7. JSL.

Cont: tp; dedic & quot, publ data; tab cont; introd; 55 chs; blank p.

Based on author's 55 years experience in diamond cutting, during which time he took detailed notes that form the basis for his specific instructions. This book is the first truly comprehensive and practical instruction manual on the business of diamond cutting, starting from the rough and taking the reader through every step required to produce a finished faceted gem. The first two chapters describe crystals, how their forms may be identified, and how these are used to correctly orient the rough prior to work. Following chapters take up preparation of rough, sawing, bruting, the necessary tools and equipment, machinery, and even automated machines for faceting as are used in the trade. Various styles of cuts, including some of exotic design, are carefully explained in later chapters and procedures for preparing them are given. Several chapters are devoted to the "Barion" cut, a style invented by the author and named after a combination of letters from his first name, Basil, and his wife's first name, Marion. At the end are chapters on carat weight & measures, grading standards, a long list of the world's largest cut diamonds, and a potpourri of interesting information on famous diamonds, ie, Cullinan, Jonker, Sterns Star, and Anthony Charles. The last page gives a list of diamond tool manufacturers & suppliers. There is no index(!). Most text illustrations are somewhat crudely drawn but clear and effective; the color photographs illustrate various cuts, mostly variants of the barion.

7035. -----1982, 2nd edit

Diamond | Cutting |...| Basil | Watermeyer | Second Edition | [logo] | Centaur [Johannesburg: Centaur Publishers, 1982]

16°; [4], 406, [2 blank]p; same ill with addit of a col photo added to foot of p 324 recto, making a total of 16 col photos; similar binding; dj. 24.2 x 17 cm(9 1/2 x 6 5/8 in). Cut. ISBN 0 908379 11 0. JSL.

Cont: same, but adds a new ch: "New Developments," which commences at the foot of p 286 and runs to 400; topics: new machinery, more cut styles, notes on cuts previously described, grading standards, Tolkowsky angles, and ackn(p 401), with index now added, p 402-6; supplier list omitted. Rev C L Wells, *JCK*, Jun 1983, 134 "unparalleled source of previously unpublished (and almost unavailable) information." G Weissbrot, *G & G*, 19, 1, 1983, 57, "best recommended to diamond cutters and others in the industry."

7036. WATHERSTON, EDWARD J

A Few Words | On | Gems And Precious Stones. | By | Edward J.Watherston, F.S.S. | [rule] | A Lecture Delivered | At | The London Institution, | March 4th, 1880. | [rule] | Dryden Press: | J.Davy And Sons, 137, Long Acre, London. | [rule] | 1880.

8°: centersewn: 19, [1 blank]p. Pale gray, printed wrap. 14 x 22 cm (5 1/2 x 8 5/8 in). Probably considerably cropped. USGS Kunz Coll, GS 34-746.

Treats two topics: curious lore, and gems as a form of concentrated wealth. No remarkable information is given under the first topic and actually most space is devoted to descriptions and histories of famous gems, especially large diamonds. No references. A bookseller offered this work in 1949 stating that it was excerpted from *The Antiquary*.

7037. WATSON, JOHN

British And Foreign | Building Stones | A Descriptive Catalogue Of The | Specimens In The | Sedgwick Museum, Cambridge | By | John Watson | Cambridge: | at the University Press | 1911

8°: viii, 483, [1 blank]p. Dk blue cloth, blind border rules on covers, gold rules, lett, univ seal on spine. Text & cover corners rounded. 18.4 x 12.3 cm(7 1/4 x 4 7/8 in). Cut. JSL. GS 11-437.

Cont: 1/2tp; publ data; tp; publ data; pref; tab cont; introd; text in two parts; index; blank p.

The first part arranges stones according to igneous, metamorphic, and sedimentary groups, with the last being further subdivided according to geological time periods. The second part is the catalog and lists and describes the stones according to the above scheme.

7038. -----1916

British And Foreign | Marbles | And | Other Ornamental Stones | A Descriptive Catalogue | Of The Specimens In The | Sedgwick Museum Cambridge | By | John Watson | Hon.M.A. (Cantab.) | Cambridge: | at the University Press | 1916

8°: [2 blank], x, 485, [1 blank], [2 advert]p. Dk blue cloth, blind ruled borders on covers, gold lett, rules, seal on spine. Rounded corners. 18.1 x 12.1 cm(7 1/8 x 4 3/4 in). Cut. Also issued in v dk blue cloth, p size larger, 18.7 x 12.4 cm(7 3/8 x 4 7/8 in); plain covers, corners not rounded. JSL. LC 18-5666.

Cont: blank f; 1/2tp; publ data; tp; pref; tab cont; introd; text; index; blank p; advert.

A fine, useful work, mostly on the many varieties of marble found in the British Isles and in other countries, but with short sections on other stones of interest to the architect, sculptor, and lapidary: onyx marble, malachite, alabaster, "blue john" fluorite, amazonite, labradorite, sodalite, lapis lazuli, serpentine, jade, and fuchsite, these sections filling p 252-445.

7039. WATSON, JOHN F & VANDERWOLF, BRIAN C

Queensland | Opal | Cutters | A Study Of Opal Cutting Techniques | [dot] | P.O.Box 154, Gladstone, | Queensland 4680, Australia [nd, ca late 1970's; the cover is titlepage]

White, plastic spiral binding: 48 p; 2 geol cross-sects; sketch map. Pale yellow, stiff card covers, with small facet gem & title in ruled partitions, part-decorated. All contents printed on thick, glossy white card stock. 19 x 14 cm(7 1/2 x 5 1/2 in). Issued in transp colorless plastic pouch with button fastener.

Cont: cover tp; introd & tab cont; publ data; 10 chs(called "studies"); epilog; blank p.

Begins with some history of opal discoveries in Australia, properties & geology of deposits, inspection & selection of rough, then cutting techniques how to make doublets & triplets, cutting black opal, staining opal to black by the sugar/sulfuric acid method, and special problems in treatment of Queensland boulder opal. Clearly written but imparting little information that cannot be found in other lapidary manuals and suffering from lack of diagrams and drawings of lapidary steps.

7040. WATSON, J W Pearls and gems. *Harper's New Monthly Mag*, New York, 21, 126, Nov 1860, 764-80, 28 wood engrav. Monthly issues consist of a pale tan, ornately decorated wraps with picture & adverts; annuals consist of elaborately

blind stamped & gilt brown or black cloth. Approx 24.3 x 16 cm(9 1/2 x 6 3/8 in).

A lengthy popular article on pearls and important gemstones, with much background material taken from Thomas Nichols[sic], *A Lapidary*, whose date is erroneously given as 1552, also Tavernier's *Voyages*, and several others, but also incorporating contemporary information. Contains numerous errors; a wood engraving captioned "The Hope Beryl" is actually a group of quartz crystals. The illustrations are the most attractive feature.

WATSON, THOMAS LEONARD(1871-1924)

USA Geologist; b Chatham, VA; PhD Cornell U 1897; various duties & assignments in US Nat Mus, State Geol Survey GA & NC; prof VA Polytech 1904- 7; VA State Geologist 1908-. Obit H Ries, *Amer Min*, 10, 3, 1925, 54-7.

7041. -----1907

The Virginia Jamestown Exposition Commission | [rule] | Mineral Resources | Of | Virginia | By | Thomas Leonard Watson, Ph.D. | Professor of Economic Geology in the University if Virginia | [state seal] | Lynchburg, Va.: | J.P.Bell Company, Printers and Binders | 1907

8°: xxxi, 618, [2 blank]p; 83 pls(photos, maps, some fold, some part col); 101 fig. Dk maroon, ribbed cloth, blind cover frames; gold spine title. 25.5 x 18.2 cm(10 x 7 1/8 in). Cut. JSL.GS 8-445.

Cont: tp; tab cont & presentation scheme; ill list; pref; text; index; blank f.

Building and ornamental stones are described in Part 2, among them, unakite and marbles, and in Part 2, Ch 11, p 385-92, gem minerals: diamond, quartz, garnet, beryl, apatite, allanite, kyanite, fluorite, feldspar, microlite, columbite, helvite, with references, 391-2, 22 entries, Several of the species he names are obviously unsuited for gems.

7042. WATSON, T L & BEARD, R E The color of amethyst, rose, and blue varieties of quartz. *Proc US Nat Mus*, 53, no 2220, 1917, 553-63. Also centersewn in print green wrap, [2]p + p 553-63 + [blank f]; 24.5 x 15.5 cm(9 5/8 x 6 1/8 in). Uncut. LC 18-14646. JSL.

Suggests that color in amethyst due to colloidal particles of submicroscopic size, probably composed of manganese dioxide; color in rose quartz cannot be attributed to an organic substance; color in blue quartz due to behavior of light reflected from minute acicular rutile inclusions. Analyses given.

WATSON, T L; LANEY, FRANCIS BAKER & MERRILL, GEORGE PERKINS

F B L b Missouri 1875; PhD Yale U 1908; duties in US Nat Mus and US Geol Survey; head Dept Geol Idaho U 1920-; d 1938. See G P Merrill elsewhere.

7043. -----1906

North Carolina Geological Survey | Joseph Hyde Pratt, State Geologist | [rule] | Bulletin No.2 | [rule] | The Building And Ornamental | Stones Of North Carolina | By | Thomas L.Watson And Francis B.Laney | With The Collaboration Of | George P.Merrill | [state seal] | Raleigh | E.M.Uzzell, Public Printer | 1906

8°: xix, [1 blank]p, 283, [1 blank]p; 32 tip-in glossy pls(about half with 2 photos; includes 3 maps(2 fold)); 11 fig. Dk maroon, ribbed cloth, gold lett on cover & spine, with rules. 26 x 17.8 cm(10 1/4 x 7 in). Cut. Also in pale gray printed wrap; cut. JSL. GS 7-816.

Cont: 1/2tp; tp; officers list; transmittal ltr; tab cont; ill lists; pref; 9 chs; append; index; blank p.

An extensive and elaborate treatise which considers the various stones according to the geological circumstances in which found, and providing details on quarries within the geological zones by county, and also considering special dike and vein rocks as well as sedimentaries and a few metamorphics. Other chapters treat quarrying methods, stone weathering and tests, stone for road building. Some of the rocks are useful for lapidary work while the state is distinguished by being the source of the handsome spotted prophyry known as "leopardite," also a fine orbicular gabbro-diorite. An excellent work.

7044. WATSON, WILLIAM & MISH, J L

Chinese Jade Books in the | Chester Beatty Library | Described, and the Chinese texts translated by | William Watson | of the Department of Oriental Antiquities, British Museum; | the Manchu texts translated by | Dr.J.L.Mish | of the New York Public Library. | Dublin: Hodges Figgis & Company Limited: 1963

8°: 47, [1]p; tip-in col front pl + 12 photos on 7 tip-in glossy f. Pale green cloth, gold lett on cover. 24.2 x 18.3 cm(9 1/2 x 7 1/4 in). Cut. 60s. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; pls list; pref; introd; 15 "books;" blank p.

Each "book," forming a chapter, consists of a series of jade tablets incised with Chinese characters which tell a story, poem, or a song. The introduction briefly describes the history and characteristics of such books. Those in the Beatty Library, 15 in all, were made in the jade factory in the Imperial Palace, Peking. The text is abundantly annotated and the whole forms a unique work. Rev J Ch'en, *Bull School Oriental & African Studies*, 27, pt 2, 1964, 476-7; comment G M Born, 95-6; Yang 1981.

WATSON, W & JENYNS, R S, see JENYNS, R S & WATSON, W

7045. WATT, JAMES C Y

Chinese Jades from Han to Ch'ing | By James C.Y.Watt | The Asia Society | In Association With John Weatherhill, Inc. [NW: Asia House Gallery Publications, 1980]

8°: 235, [1]p; 11 col photos; 5 text fig; 268 fig in catalog. Pale greenish-tan cloth, black spine title; pale tan endp. Blue & white col dj, col photo of jade on front. 24.1 x 21.9 cm(9 1/2 x 8 5/8 in). Cut. LC 80-20115; ISBN 0-87848-057-9(cloth; ISBN 0-87848-056-0(paper, not seen). Cloth: $22.50. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; fwd; pref; lender list; introd; chrono tab; cat; list Chinese terms; biblio(p231-4, 42 entries); other works cited(p 233-5, 102 entries); photo credits.

This is the catalog of an exhibition held in Asia House Gallery, New York, in 1980. It is well done, with many fine illustrations and remarkable for the emphasis placed on post-Han jades or those that are so recent that the term "new jades" is sometimes applied to them. There are depicted a great many small pieces, especially those of fingering-piece dimensions, while the very large, ornately carved jades are conspicuous by their absence. There are prefatory comments on how the exhibit was

conceived and executed, history of Chinese jades, motifs and significance of same, styles, dating, and remarks on sources and varieties of raw jades. All of it forms a remarkably valuable reference for the collector of modest means due to the descriptions and depictions of smaller, more affordable pieces. Some 229 items are shown, most accompanied by an illustration, and some by a rubbing to clearly show characters or shallowly-incised scenes and the like. Yang 1987; Born 337. According to the dustjacket, Watt is said to be the "foremost authority on jades of the Han and succeeding dynasties," and currently curator of the Art Gallery and Chairman of the Board of Studies in the Fine Arts at the Chinese University of Hong Kong.

7046. W.B.L. Key to fortune in new lands... diamonds and other precious stones may be tested... 8°, cloth, London, no date(ca 1867?). Not seen; offered by a bookseller in the 1940's but I have not been able to find any other reference to this work.

7047. WEAKLEY, G R The diamond discovery in South Africa: a collection of articles and original correspondence, extracted from various colonial journals, and original remarks in refutation of the erroneous statements of Messrs. Harry Emanuel and J.R.Gregory. Colesberg: Weakley, 1869, 8°: 35 pp. Another reference gives the author's middle initial as "H." Not seen.

WEAVER, C E, see FOLK, R L

WEAVIND, R G, see CUSTERS, J F H

7048. WEBBER, BENJAMIN 2.Reconnaissance report on Kurupung diamond field, Mazaruni district, British Guiana + 3.Progress report on Kurupung Placers Company, Ltd. Kurupung River, Mazaruni River district, British Guiana. *Geol Survey Brit Guiana Bull* 23, Georgetown, Demerara, 1958. Originally published in 1952; "cyclostyled" in 1958. Edge-stapled: p 42-61, 62-66; 6 fold sketch maps. 33.2 x 20.6 cm(13 x 8 1/8 in). JSL.

Locates alluvial diamond deposits and access to same, production statistics, character & size of crystals, type deposits, methods of mining. GS 54-14.

7049. WEBBER, MARTIN Das Schleifen, Poliren, Färben und künstlerischen Verzieren des Marmors. Weimar: Bernhard Friedrich Voigt, 1878. On the cutting, polishing, dyeing and artistic decoration of marble; not seen, from G P Merrill, *Stones for Building and Decoration*, 2nd edit, 1897, p 482.

7050. WEBER, ALBERT(1876-1955) The jeweller: directives and targets to be attained in training apprentices. Geneva, 1959. 8°: 190, [7], [3 blank]p; photo front of author tip-in; 12 col ill; 34 photos(many fullp); 28 fig. Tan, parchment type paper over bds, gold lett on cover with paste-on col pl. 24 x 17.25 cm(9 3/8 x 6 3/4 in). Cut. "The original German edition...was published in behalf of the author, Albert Weber, a Geneva Master Goldsmith and Jeweller, in 1955. This English translation is by the Office for Industrial Information, Hugo Buchser, Geneva, who are also responsible for a French translation, published simultaneously in 1959. Illustrations and printing by the Messrs Haefeli & Co., art printers, La Chaux-de-Fonds, Switzerland."

First part on matters of apprenticeship, a second part on techniques of jewelry making, part three on precious metals, solders, hallmarking & tests, while the last part, p 124-90, is on gemology, with topics of history, natural & artificial trade stones, properties, descriptions, organics, imitations, synthetic diamond, strontium titanate, and engraving & carving. The work is superbly produced from high quality materials and with excellent illustrations, among them, the splendid color plates from E Gübelin's *Precious Stones*.

7051. WEBER, ERNST VON Vier Jahre in Afrika. 1871-1875... Mit Abbildungen in Holzschnitt, einem Plane und einer Karte. Ersten Theil. xvii + 455 p. Zweiter Theil. xii + 580 p. [1 2 vols] Leipzig: F.A.Brockhaus, 1878, 8°.

Not seen; above from Mendelssohn, who adds: "one of the brightest and best of German works dealing with the continent of Africa. Although published much later than other works dealing with the discovery of the Diamond Fields, the author was quite an early visitor at the diggings, and arrived at Pniel in July 1871. His account of the early days of the Diamond Industry is one of the best that has been written, and he paints with distinct vividness the vicissitudes of the pioneer diggers. Von Weber had claims in what were known as No.5 and No.8 Roads in Kimberley Mine, and he sold these properties for £ 800, but was somewhat disconcerted at finding that the purchaser soon found several valuable diamonds in them. He gives full particulars of the alluvial and dry diggings, the riots of the claim-holders, the recreations of the camps, and the general life of the fields. Practically the whole of the first part of the work is devoted to an account of the diamond diggings, while the second portion deals with Basutoland, the Orange Free State, Natal, the Transvaal, and other parts of South Africa. There is a folding view of Colesberg Kopje(Kimberley Mine), and a plan of the Kimberley Mine, dated August 1874, arranged in colours to show the value of the claims for purposes of assessment. Although this work is little known in England and the South African colonies, it forms an important contribution to publications relating to South Africa at this period, more especially with regard to the early history of the Diamond Fields."

7052. -----1882, Fr edit Quatre Ans au Pays des Boers, 1871-1875. Ouvrage traduit de l'Allemand et abrege avec l'autorisation de l'Auteur par Jules Gourdault, et contenant 34 Gravures et une Carte. Paris 1882. Crown 8° of 391 p. Not seen; from Theal, p 329.

7053. WEBER, F HAROLD, Jr Geology and mineral resources of San Diego County, California. *Calif Div Mines & Geol County Rpt* 3, San Francisco, 1963. 16°: 309, [3 blank]p; 11 pls(fold) in pocket; 59 fig; 89 photos; 3 tab. Thick, printed, col wrap, white title on cover, 27.9 x 21.6 cm(11 x 8 1/2 in). Cut. $8.00. JSL.

Very detailed, thorough description of the county, with p 84-115 devoted to the gem mines, mainly those in granitic pegmatites, but also describing other occurrences of chalcedonies and rhodonite, etc. The principal pegmatite mines are described and listed in an appropriate table; four of the folding geological maps in the pocket are of major pegmatite districts. This work has not been reprinted and is much in demand.

WEBER, FREDERICK PARKES(1862-1962)

Brit physician; MA, MD Cambridge U; practised London; rec Moxon Medal, Roy Coll Physicians; hon fellow Roy Soc Med; wrote numerous important medical

works, also interested himself in archeology and numismatics becoming expert in both; with others, described several new diseases.

7054. -----1910

Aspects Of Death | And Their Effects On The Living, | As Illustrated By Minor Works Of Art, | Especially Medals, Engraved Gems, Jewels, &c. | By | F.Parkes Weber, M.A., M.D., | Fellow Of The Society Of Antiquaries And Of The | Royal Numismatic Society Of London. | With 58 Figures In The Text. | T.Fisher Unwin | London: Adelphi Terrace | Leipsic: Inselstrasse 20 | 1910.

8°: viii, 160p + xv, 87, [2]p cat of publ bks(!); 58 fig. Dk blue cloth, deeply-stamped gold medallion on cover with gold title; gold spine title; blind frame on front cover. 21.2 x 13.9 cm(8 3/8 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; other bks of author; tp; pref; tab cont; text in 4 pts; addit notes; index; book catalog.

"This little volume consists of a series of articles reprinted, with alterations and additions, from the *Numismatic Chronicle*, 1909-10, Nos.36-38." Part IV, p 113-51, is of interest here inasmuch as it treats engraved gems, finger-rings, jewels, and other objects, which by motif or motto relate to death and/or attitudes respecting death. The abundant footnotes indicate that much help was obtained from perusal of the works of C W King, A Furtwängler, and other experts in engraved gems. The entire treatise is done in scholarly manner and quite remarkable for choosing a subject that is abhorrent to most writers but eventually of interest to all. It is well illustrated with photographs and line drawings with a fair share appearing in the part on engraved gems.

7055. -----1914, 2nd edit. Not seen

7056. -----1918, 3rd edit

Aspects Of Death | And Correlated Aspects Of Life | In Art, Epigram, And Poetry. | Contributions Toward An Anthology | And An Iconography Of The Subject. | Illustrated Especially By Medals, | Engraved Gems, Jewels, Ivories, | Antique Pottery, &c. | By | Frederick Parkes Weber, M.A., M.D., F.R.C.P., F.S.A. | Third Edition, Revised And Much Enlarged. | With 145 Illustrations. |...[3 lines quot]...| London: | [to left:] T.Fisher Unwin, Ltd., | I, Adelphi Terrace, | W.C.2. | [to right, sep by vert rule:] Bernard Quaritch, Ltd., | 11, Grafton Street, | W.1. | [at bottom center:] 1918

8°: xl, 784 p; front photo + 144 fig. Blue cloth, same medallion, lett, etc on covers. 21.8 x 14 cm(8 5/8 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; other bks of author; dedic; front; tp; quots & edits statement; pref; tab cont; ill list; text in 4 pts; addendum; index.

Part 4, 587-735, is greatly enlarged with corresponding increase in the number of illustrations; divided into two chapters, the first on engraved gems, designs on antique vases, etc, while the second chapter deals with finger rings, jewels, and ivories. Useful, rewarding additions.

7057. -----1918, New York

Aspects Of Death |...|[same quot]| Paul B.Hoeber, | 67-69, East 59th Street, | New York, | 1918.

8°: 786, p, text identical, but additions made to index which required addition of another leaf of sig 3E, tip-in. Blue cloth, no medallion, gilt spine & cover title. 21.9 x 13.9 cm(8 5/8 x 5 1/2 in). Cut. JSL.

The 3rd edition reviewed (see p [xxxiii] of 4th edit below): "This edition... is a veritable anthology of death, the author having gathered together all that is beautiful, romantic, witty, humorous, pessimistic or artistic concerning the end of human life... The reader is left with the impression given of the old English couplet:

"To look on life with placid eye,
and neither fear nor wish to die."
-J Amer Med Assoc

7058. -----1922, 4th edit, London

Aspects Of Death |...| Fourth Edition, Revised And Much Enlarged. | With 146 Illustrations. | [same quot] | T.Fisher Unwin, Ltd, | London; Adelphi Terrace. | 1922.

8°: xliv, 851, [1 blank]p; front + 145 text fig. Dk gray-blue cloth, blind frame on front enclosing gilt title & same medallion; gilt spine title. 21.7 x 13.8 cm(8 1/2 x 5 3/8 in). Cut. JSL.

Cont: 1/2tp; other author bks; dedic(3rd edit); front; tp; list of edits & several quots; pref; reviews of 3rd edit; tab cont; ill list; text; index; blank p.

Part 4, now extends from p 643 to 796 but is only 5 pages larger; one text fig added.

7059. -----1971, reprinted

Aspects of Death | [same quot] | McGrath Publishing Company | College Park, Maryland | 1971.

16°: same pag & fig. Dk green cloth, gold spine title. 21.6 x 14 cm (8 1/2 x 5 1/2 in). Cut. LC 70-119251; ISBN 0-8434-0073-0. JSL. Identical.

7060. WEBER, LEWIS S (1921-)

Buying A | Diamond? | Know How ! | by Lewis S.Weber | Gotham Publishing Company | 23 West 47th Street, New York, N.Y. [1951]

8°; 63, [1 blank]p; 14 sketches; 10 facet-cut diagrs; 1 photo; 5 tabs, charts, diagrs. Glossy black paper over bds, white lett & small white gems on gray band on both covers & spine. Similar dj + resume, vita. 21.5 x 14.1 cm(8 1/2 x 5 1/2 in). Cut. $2.00. A 2nd printing was issued in the same year called "Second Edition."

Cont: 1/2tp; portr; tp; publ data; tab cont; quot; testimonial; pref(testimonial); 12 chs; blank p.

Acquaints prospective buyers of cut diamonds with the major considerations affecting quality & value and thus enabling intelligent choices; all is clearly explained. At the time of writing the author was a successful diamond merchant in New York City.

7061. -----1961, Ger edit

Lewis S.Weber | Wie kaufe | ich einem Diamanten? | [logo] | Verlag Bintz-Dohany | Offenbach Am Main [1961]

Cementb: 71, [1 blank]p; 27 fig; 8 photos, 1 graph, tab. Glossy white paper over bds; multi-color gem & lett on cover with large black band. Col dj, resume, vita & portr. 20.7 x 13 cm(8 1/8 x 5 1/8 in). Cut. JSL.

Cont: 1/2tp; quot; tp; publ data; testimonial; tab cont; fwd; 12 chs; blank p. A straightforward translation; text figures same but the former ch orn sketches replaced by photos illustrative of chapter themes.

7062. WEBER, OTTO

Altorientalisches | Siegelbilder | Von | Prof.Dr.Otto Weber | Direktor des Vorderasiatischen Museums in Berlin | 1. Band: Text[2.Band: Abbildungen] | [logo] | Leipzig | J.C.Hinrichs'sche Buchhandlung | 1920

"Der Alte Orient, Gemeinverständliche Darstellungen herausgegehen von der Vorderasiatischen Gesellschaft. 17. und 18. Jahrgang. Band 1."

1.: 8°: [8], 133, [1 blank]p. Pale orange-tan printed wrap, title on cover in double-rule frame; other surfaces adverts. 23.3 x 14.7 cm(9 1/8 x 5 3/4 in). Uncut. JSL.

Cont: tp; series info; dedic; fwd; tab cont; introd; text; blank p.

2.: VIII, 117, [1 blank]p; unlike first vol, paper is entirely glossy stock, considerably thicker, with each of the "text" pages actually containing several photos & line drawings(596 fig in all).

Cont: tp; series info; pref; abbrev(actually a biblio, p VII-VIII, 33 entries); ills; blank p.

Another issue of this work was printed on thinner, cheaper paper, including use of thinner semi-glossy stock for the illustrations volume. The introductory matter in the first volume discusses the features and the purposes of cylinder seals, where & how used, sizes, materials, antiquity, countries of origin, forms, inscriptions, etc, with the text presented in four parts: 1 mythological subjects, 2 religious subjects, 3 profane representations, and 4 ornamentation observed upon seals. The second volume is almost entirely illustrations with captions indicating where they have been published or in what collection preserved.

7063. WEBSTER, K ATHOL

The | Armytage Collection | Of | Maori Jade | by | K.Athol Webster | Photography By | John Queenborough, A.R.P.S. | Made and Printed by | The Cable Press | 62 Doughty Street, London, W.C.1 | England | 1948

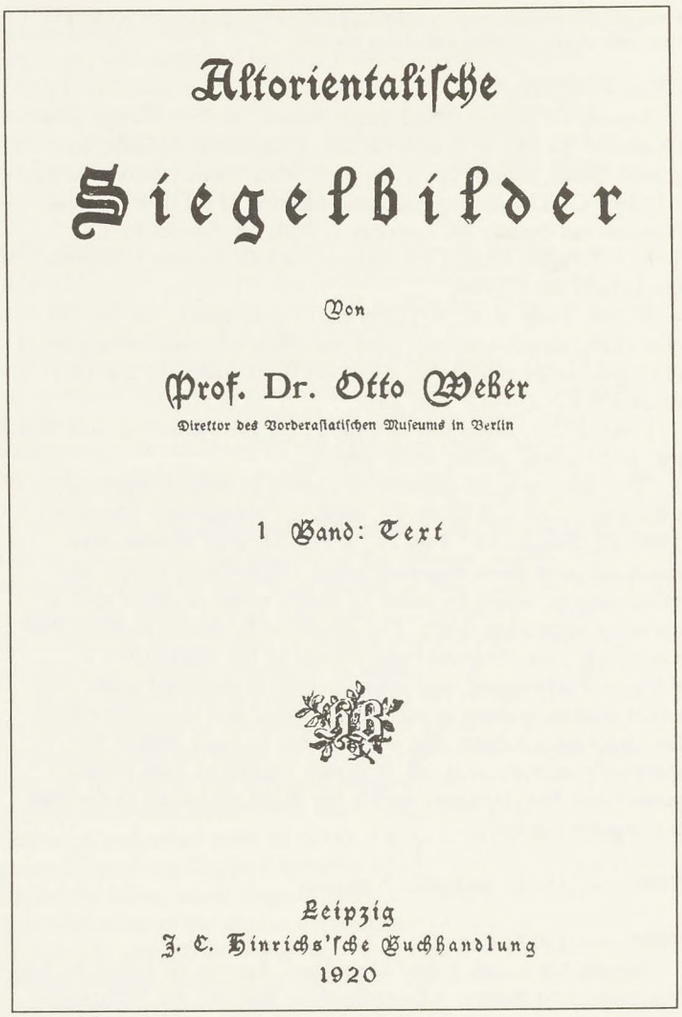
8°: 79, [1 blank]p; 35 fullp photos recto with explan verso. Pale mottled green paper over bds; dk green cloth spine; black lett on sides. 21.7 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; fwd; biblio; tab cont; cat; blank p.

The collection is reputed to be one of the finest private collections of carved Maori jades in existence; it contains specimens of nephrite and bowenite acquired by personal collecting and purchase from other collections. Through the efforts of Webster, the threatened dispersal of the collection upon demise of Armytage in 1946 was avoided by arranging sale of part to the New Zealand Dominion Museum and the Auckland, N Z Museum, and the remainder to himself; details furnished in the preface. The body of the work illustrates and briefly describes, with dimensions, 129 objects, many of them the small amuletic "tikis," but also some tools, weapons, and other items. Scarce. Edward Armytage(1894-1946), collector, of London, England.

WEBSTER, ROBERT(1898-1976)

Brit pawnbroker, gemologist, author; b Kensington, London; educ St Marks Coll, Chelsea; son of master pawnbroker & employed as such in youth; WW I service; returned to pawnbroking in 1920; studied gemology, obtained Fellowship Gemm Assoc Gt Brit 1934; various teaching posts in gemology to 1968; mbr staff Diamond, Pearl and Prec Stone Trade Sect, London Chamber Commerce and employed their laboratory in Hatton Garden from 1946. Obit B.W.Anderson, *J Gemm*, 15, 3, 1976, 153-7; *Lap J*, 30, 2, 1976, 580-1; *G & G*, 15, 5, 1976, 158-9, portr; *Zs Dt Gemm Ges*, 25, 2, 1976, 116; A E Farn *Austral Gemm*, 12, 10, 1976, 297-8.


Altorientalische

Siegelbilder

Von

Prof. Dr. Otto Weber

Direktor des Vorderasiatischen Museums in Berlin

1 Band: Text

Leipzig
J. C. Hinrichs'sche Buchhandlung
1920

7062. Titlepage to the text volume of Weber's description of Near East cylinder seals; the second volume contains plates

7064. -----, 1937, Compendium series

The Gemmologist's | Pocket Compendium | by | Robert Webster, F.G.A. | With a Foreword by | L.J.Spencer, | C.B.E., B.Sc., M.A., Sc.D., F.R.S. | President, Mineralogical Society: Editor, | "The Mineralogical Magazine"; formerly Keeper | of Minerals in the British Museum of | Natural History; Honorary Life Fellow | of the Mineralogical Society of America; | Ehrenmitglied der Deutschen Mineral- | ogischen Gesellschaft. | N.A.G.Press Limited | Old Street, London | 1937

8°: 56[advert]p + [8], 148p + [2 advert]p; doublep map; 11 fig. Maroon cloth, gold title & advert on cover; gold lett spine; gold advert back cover. Another issue in pebbled red cloth. Distributed in USA by Henry Paulson & Co of Chicago, which statement appears on covers of copies sold in that country. Corners of bds & text rounded. Adverts on endp & flyleaves. 13.5 x 8.8 cm(5 3/8 x 3 1/2 in). Cut. JSL.

Cont: adverts; blank p; 1/2tp; tp; advert; tab cont; print data; author pref; fwd; note; text; 4 blank p("Notes"); 3 advert p.

A timely compilation of data for the enlarging field of scientific gemology and its practitioners. In two parts, the first

provided a large glossary, p 1-58, and the second, a miscellany of useful information and tables of crystal systems, physical & optical properties, and an extended table of gemstones with matching property data which perhaps formed the most valuable feature of this compendium and insured its success. Other information included manufactured gems, artificial treatments of gems, cut styles, weights & measures, immersion media, atomic & periodic tables, etc. When the present printing neared exhaustion it was decided to republish in the large second edition described below which lasted for many years, Rev *The Gemm*, 7, 77, 1937, 305, 307; *G & G*, 2, 8, 1937, 135.

7065. -----1947, 2nd edit

The Gemmologists' | Compendium | (Second Edition) | Formerly The Gemmologists' Pocket Compendium | by | Robert Webster, F.G.A. | With a Foreword by | L.J.Spencer, | C.B.E., BSc., M.A., F.R.S. | Editor, "Mineralogical Magazine"; formerly | Keeper of Minerals in the British Museum of | Natural History; Honorary Life Fellow | of the Mineralogical Society of America | [orn] | N.A.G.Press Limited | London, W.6. | AI [1947]

8°: [10 advert], 241, [7 advert]p; 18 photos(8 col); 2 col spectra diagrs on both sides of 10 bound-in glossy f; 10 fig. Red unfin cloth, gold title & advert on cover; gold lett spine. 17.7 x 11.5 cm(7 x 4 1/2 in). Cut. 5 s. JSL. LC A49-4843.

Cont: advert; 1/2tp; tp; tab cont; pls list; fwd; note; pref; text; advert.

Augmented & rewritten in many places. As before, in two parts, the first part, the glossary, greatly enlarged, and the second part with many additions to information and data, eg, absorption spectra, with 2 color plates of typical bands for certain gemstones, plastics, formulas, chemical & blowpipe tests, large table of gemstone sources but insufficient in detail to be useful. Also new are plates of typical inclusions, synthetic gem boules, natural & synthetic cut spinels, cut tourmalines, and other faceted gems, and several enlargements of organic materials to show fine structure. In this edition, the Compendium achieved its greatest impact and widest circulation.

7066. -----1947, Chicago

The Gemmologists' | Compendium |...| London, W.6. | [rule] | Henry Paulson & Co. | Chicago [1947]

Text same; all adverts omitted; Henry Paulson Co copyright notice on reverse of 1/2tp. Pebbled red leatherette, gold titles cover & spine. Rev G Switzer, G & G, 6, 1, 1948, 31. JSL.

7067. -----1964, 3rd edit

The Gemmologists' | Compendium | (Third Edition) | by | Robert Webster, F.G.A. | Author of | Practical Gemmology | Gems: Their Sources, Descriptions and Identification | [orn] | N.A.G.Press Limited | London, E.C.2. [1964]

8°: [2 advert], 228, [2 advert]p; 12 photos & 2 col spectra on 4 bound-in glossy f; 15 fig. Dk blue cloth, gold titles cover & spine. Col dj, col photo diamond crystals on cover; tab cont back cover; flap resume & vita. 18.4 x 12 cm(7 1/4 x 4 3/4 in). Cut. 25 s. JSL.

Cont: advert; 1/2tp; tp; publ data; tab cont; note; pref; text; advert.

With revisions and new data; information on famous gems removed from glossary; cut-gem col photos omitted; inclusion photos changed, Rev P D Kraus, *Lap J*, 18, 10, 1965, 1122; *J Gemm*, 9, 9, 1965, 301.

7068. -----1967, 4th edit

The Gemmologists' | Compendium | (Fourth Edition) |...| N.A.G. Press Limited | 258 Gray's Inn Road | London, W.C.1. [1967]

8°: 228 p; same ill, binding, etc; not a new edition, rather, a new printing. JSL.

7069. -----1970, 5th rev edit

The Gemmologists' | Compendium | (Fifth Edition) |...| Gems: Their Sources, Descriptions and Identification | Gems in Jewellery | [orn] | N.A.G.Press Limited | London, EC1V 7QA [1970]

8°: 235, [1 blank], [1], [1 blank], [1], [1 blank]p; 12 b&w photos & 2 spectra on both sides 4 glossy bound-in f; 13 text fig. Dk blue cloth, gilt cover & spine titles. Col dj as before; flap resume, vita, summ of cont. 18.3 x 11.7 cm(7 1/4 x 4 5/8 in). Cut. £ 3.25. ISBN 7198 0001 3. Reprinted in 1975(at least). JSL. Contains 2 p adverts.

General updating, adds new gemstone information and a new section, p 215-8, on damage suffered by gemstones & prevention or amelioration; adds list of gemological associations worldwide on last 2 text p. Use of offset required use of thicker, stiffer paper.

7070. -----1971, Sp edit. Diccionario de gemología. Barcelona: Ediciones Jover, S.A., 1971. Not seen.

7071. -----1940, Practical Gemmology Series

Practical | Gemmology | A Study Of The Identification | Of Gem-Stones, Pearls, And | Ornamental Minerals | By | Robert Webster, F.G.A. | Author of The Gemmologist's | Pocket Compendium | With a Foreword by | B.W.Anderson, B.Sc., F.G.A. | N.A.G.Press Ltd. | London [1941]

8°: xx advert, [7], [1 blank], 180 p; 54 fig + 3 unnumb fig; 8 photos on 2 tip-in glossy f. Pale grayish-blue unfin cloth, title & advert on front cover; spine title; back cover advert. 18.3 x 12.5 cm(7 1/4 x 4 7/8 in). Cut. Pale tan paper. 5 s. JSL. LC 42-9632..

Cont: advert; 1/2tp; tp; print data; fwd; pref; text; answers; advert; index.

The text consists of 19 "lessons" which were originally published seriaally in The Gemmologist, and here slightly extended, corrected and improved. They form an admirable short course of self-instruction in the major aspects of gemology, each lesson terminated by a series of searching questions whose answers appear at the end of the book. Webster's mastery of simplified, clear language is nowhere better exemplified than in this small book which led thousands of readers painlessly through the following subjects, understandably tailored to suit the requirements of a beginning course: crystallography, physical properties, optics, light, refractive index and its measurement, color, microscopy, and descriptions of natural gemstones, synthetics, imitations, composite stones, artificial color, cutting, testing, pearls, organic materials, unusual gemstones, and ornamental minerals. Its value as a beginner's text remains high. Reprinted in 1947 in smooth cloth of same color, but differing adverts and size, 18.5 x 12.2 cm(7 1/4 x 4 3/4 in). Rev (first printing)

by E H Kraus, *Amer Min*, 27, 4, 1942, 332, possibly from a preliminary notice from the publisher; his review says nothing.

7072. -----1952, 2nd edit

Practical | Gemmology |...| Ornamental Minerals | Second Edition | By |...| London | 1952

8°: same pag, figs, etc. Red cloth, gold lett & adverts on covers as before(formerly black). 18.4 x 11.9 cm(7 1/4 x 4 3/4 in). Cut. The xx pp of adverts on glossy paper! while text paper remains matte. JSL.

Essentially a reprint; Anderson's fwd slightly changed; several small additions in various places mostly by adding material to ends of chapters where space was available.

7073. -----1957, 3rd edit

Practical | Gemmology |...| Third Edition |... London [1957]

8°: xxiv, [8], 180 p; same ill. Smooth, maroon cloth, same gold lett, etc. 18.5 x 12.1 cm(7 3/8 x 4 3/4 in). Cut. JSL.

Cont: advert; 1/2tp; tp; printing history; fwd; pref; addenda; text; answers; advert; index.

Front matter rearranged; addenda provides short statements on strontium titanate, a new emerald doublet, radium irradiation of diamond, brazilianite, and sinhalite. Identical reprint 1961.

7074. -----1966, 4th edit

Practical | Gemmology |...| Fourth Edition | By | Robert Webster, F.G.A. | Author of | The Gemmologist's Compendium | Gems: Their Sources, Descriptions and Identification | N.A.G.Press Ltd. | London [1966]

8°: [5], [1 blank], 209, [1 blank]p; 60 fig, same photo pls. Dk purplish maroon unfin cloth, gold titles on cover & spine(no adverts). Col dj, col photo of rough diamonds, resume, vita. 18.4 x 12.1 cm(7 1/4 x 4 3/4 in). Cut. 30/-. JSL.

Cont: 1/2tp; tp; print history; pref; 21 lessons; index; blank p.

Completely reset, revised in many places; adds 2 new lessons(chemistry & luminescence/electrical effects); much new information added to previously described gemstones as well as those newly appeared. Most text figures advantageously redrawn, larger & clearer. Anderson's foreword omitted. Much improved, more valuable than ever. Rev: *J Gemm*, 10, 6, 1967, 207; *G & G*, 12, 5, 1967, 159; *Austral Gemm*, 71, 1967, 11; *Zs Dt Gemm Ges*, 58, 1966/67, 37-8.

7075. -----1973, 5th edit; not seen

7076. -----1976, 6th edit; not seen

7077. -----1978, 6th edit, New York

Practical | Gemology | A Study Of The Identification | Of Gemstones, Pearls, And | Ornamental Minerals | Sixth Edition | Robert Webster F.G.A. | Author of | The Gemologists' [sic] Compendium | Gems: Their Sources, Descriptions and Identification | Gems in Jewelry | Arco Publishing Company Inc. | New York [1978]

16°: [5], [1 blank], 209, [1 blank]p; 60 fig; 8 photos on 2 tip-in glossy f. Dk green paper over bds; col dj, col photos; resume, vita. 18.2 x 12.1 cm(7 1/8 x 4 3/4 in). Cut. $7.95. LC 78-2263; ISBN 0-688-04609-0. JSL.

Minor changes, several on instruments and new gem materials.

7078. -----1947-1949 The identification of gemstones by colour. *The Gemm*, 16, 188, 1947, 77-85, thru 18, 221, 1949, 295-99; altogether 33 short articles.

7079. -----1953-1954 Gemstone luminescence, *The Gemm*, 22, 262, 1953, 77-80, thru 23, 274, 1954, 98-100, altogether 12 articles.

7080. -----1955 The emerald. *J Gemm*, 5, 4, 1955, 185-221, 26 fig, ca 100 refs. *Min Abstr*, 14, 2, 1959, 121.

7081. -----1955 X-rays and their use in gemmology. *The Gemm*, 24, 285, 1955, 63- 7, ills, thru to 289, 148-151, ill, altogether 5 articles.

7082. -----1957 The pearl. *The Gemm*, 26, 310, 1957, 79-85, ills, thru to 317, 213-17, ills; altogether 7 articles which also embody "Cultured pearls," "Detection of cultured pearls," and "Imitation pearls."

7083. -----1957 Ruby and sapphire. *J Gemm*, 6, 3, 1957, 101-46, 22 fig, ca 85 ref.

7084. -----1958 Amber and jet [also ivory, bone, horn, vegetable ivory, tortoise-shell]. *The Gemm*, 27, 320, 1958, 50-55, ills; thru to 323, 103-7; 4 articles altogether.

7085. -----1958 Marbles and other ornamental stones. *J Gemm*, 6, 7, 1958, 297- 333, 19 fig, 44 ref: calcite, limestone, gypsum, serpentine, porphyry, quartzite, malachite, verdite, lapis lazuli, sodalite, rhodochrosite, thulite, fluorite, lepidolite, feldspars. *Min Abstr*, 14, 4, 1959, 266.

7086. -----1958 Synthetic gemstones. *The Gemm*, 27, 324, 1958, 124-9, to 328, 203- 6, ill; 5 articles, including the last on emerald synthesis.

7087. -----1959 Some diamond problems. *J Gemm*, 7, 3, 1959, 79-100, 14 fig, 54 ref.

7088. -----1962 Ultra-violet light as an aid to gem testing. *J Gemm*, 8, 5, 1962, 175-92, 10 fig, 28 ref.

7089. -----1962

Gems | Their Sources, Descriptions and | Identification | Robert Webster, F.G.A. | Volume 1[-2] | London | Butterworths | 1962

1:8°: xii, 464 p; 17 tip-in glossy col pls; text figs 1-289; 8 tab. Bright blue cloth, title & vol no in gold within recess panel on front cover; title in gold with name of author, star, gold rules, upon red spine panel, with vol no & publ in gold below. Pale blue glossy dj; black lett & white gem on cover; black lett, rules on spine; flap resume, advert. 24.8 x 15.6 cm(9 3/4 x 6 1/8 in). Ae stained blue. £ 9.10. "Suggested U.D.C. number: 549.091 + 671.15." JSL.

Cont: 1/2tp; other offices of publ; tp; publ data; fwd; tab cont; col pls list; pref; introd; 24 chs.

2: vii, [1 blank]p + p 467-792; 3 tip-in col pls; text figs 290-506; 16 tabs; 13 tables in identification sect of which Tab 9 contains 6 pls of spectra.

Cont: 1/2tp; other offices of publ; tp; publ data; tab cont; col pls list; chs 25-38; identification tabs; appends; index.

After a long and productive career, the present work, clearly Webster's magnus opus, is the finest of his many books. It is handsome, carefully designed and produced, using first class materials, and its broad general treatment a worthy successor to Bauer's *Edelsteinkunde* but of course incorporating an enormous amount of information that has developed since the last edition of that work appeared in 1933. In respect to descriptions of classic localities, Bauer's work remains superior but falls behind in respect to modern scientific information on gemstones and the discovery of new gemstone species and varieties. A similar modern work is the enormous encyclopedic compilation of Cavenago-Bignami Moneta's *Gemmologia*, 4th edition 1980, which however inclines toward redundancy and the incorporation of considerable material of marginal value, some uncritically included. Each volume of the present work has its own table of contents but the index for the entire work appears only in the second volume. The color plates, except for two of spectra in color, were originally published in E Gübelin's *Edelsteine*, 1952, and here retain their splendid character; all other illustrations are of uniformly high quality. The first volume topics are: origin & mining of gemstones, descriptions of gemstones, natural glasses, massive & ornamental stones, synthetics & other manufactured stones, lapidary work, and the organics, pearl, coral, shell, operculum, amber, jet, ivory and tortoiseshell. Volume 2 is entirely technical, dealing with the nature and properties of gemstones, light phenomena, inclusions, and the methods and instruments by which gemstones are identified. The extensive and complete identification tables, the best of their kind yet devised, are an invaluable feature. Appendices include a list of famous diamonds, a bibliography, p 748-50, of 101 entries, and very large glossary. Rev E M Bruton, extensive & detailed, *Goldsmith's J*, 1962, 315-6; E A Jobbins, *The Gemm*, 31, 372, 1962, 122-3, 133; J R H Chisholm, *J Gemm*, 8, 8, 1962, 306-8; *G & G*, 10, 11, 1962, 348.

7090. -----1962, Washington, D C. Identical but title reads "Washington | Butterworths | 1962" $32.50.

7091. -----1970, 2nd edit

Gems |...| Robert Webster, F.G.A. | London | Butterworths [1970]

16°: xvi, 836p; glossy front tip-in pl + 22 glossy col pls tip-in(but entirely different from those in the first edit); 525 fig; 6 illust of spectra in a tab of the identification sect; also several unnumb atomic structure diagrs. Black cloth, large gold gem on cover; pale blue panel on spine with gold lett, rules and gold lett elsewhere. Col dj, col photo of rough diamond crystals on front; resume, vita, portr on flaps; advert back cover. 24.7 x 15.5 cm(9 3/4 x 6 1/8 in). Cut. £ 12. ESBN 408 20653 5; suggested U.D.C. no 549.091 + 671.15. JSL.

Cont: 1/2tp; front; tp; other offices & publ data; fwd; tab cont; col pls list; pref to 2nd edit; pref to 1st edit; introd; 38 chs; ident tabs; appends; index.

P xi: "The arrangement... has not been altered except that additions have been made [and deletions] to various chapters... in particular that on synthetic stones... new tables on plastics... separate tables on refractive indices and specific gravities... to supplement the... main table." Entirely revised & reset; revisions are mostly minor. Some earlier text figures omitted, others added; color plates of the first edition now replaced by an entirely different set gathered from various sources and less useful and not as handsome. The bibliography now on p 780-3, 130 entries. Rev *J Gemm*, 12, 3, 1970, 92; *G & G*, 13, 8, 1970/71, 267-8.

7092. -----1970, Hamden, Connecticut

Gems |...| Archon Books | London | Butterworths [1970]

P [iv]: "Published... by Archon Books The Shoe String Press, Inc... Hamden, Connecticut 06514." SBN 208 00973 6; suggested U.D.C. no 549.091 + 671.15, $45.00.

7093. -----1972, rev impression, Hamden, Connecticut

Gems |...| Connecticut USA | Archon Books [1972]

16°: xvi, 838, [2 blank]p; same ill, cloth, etc. Minor revisions to update the work. P [iv]: ISBN 208 00973 6... "Revised Impression 1972."

7094. -----1975, 3rd edit

Gems |...| London | Newnes - Butterworths [1975]

16°: xviii, 931, [3 blank]p; col pls same but pls 19 & 20 receive new captions; 554 fig, same spectra ill. Bright turquoise-blue unfin cloth, cut gem on front cover; spine panel now black with gold lett, rules. Col dj, in red, col photo of necklace on cover; back cover advert; flap resume, vita, reviews. 24.8 x 15.4 cm(9 3/4 x 6 1/8 in). Cut. ISBN 0 408 70573 6. £ 15.50.

Cont: 1/2tp; front; tp; other offices & publ data; fwd; tab cont; col pls list; prefs to 3 edits; introd; 38 chs; ident tabs; appends; indexes; 3 blank p.

Revised, reset, considerable new material added, notably in chapters on diamond and synthetics; also new data in many other chapters and sections, with alterations in names due to changing regimes in Africa and elsewhere. New and unusual gem materials are also inserted as well as much information in technical chapters on new instruments and investigative methods. The indexes are greatly expanded by a new proper name index, a geographical index in two parts(country & gemstone), and lastly, the subject index. A physically large book but this increase in size due in part to return to a thicker more opaque paper(with better reproduction of text figures). Rev M J O'Donoghue, *J Gemm*, 14, 7, 1975, 349-51, who notes that he had "difficulty of locating some of the information," and the index "inadequate," while the bibliography is "too small;" R Gaal, *G & G*, 15, 2, 1975, 63, "the most encyclopedic of texts... there is nothing remotely comparable in the gemological field."

7095. -----1975, Hamden, Connecticut. Not seen. $50.00. Rev P H Ribbe, *Amer Min*, 61, 7/8, 1976, 820.

7096. -----1980, Jap edit, Tokyo In addition to a Japanese title, the latter includes the words "Gems" and "Robert Webster, F.G.A." Published in Tokyo from the 3rd impression of 1976 by the Gemmological Association of All Japan, 1980. Bright blue buckram, red dj, xviii, 939, [1 blank], [1], [1 blank]p; similar size, ill. etc. JSL.

7097. -----1983, 4th edit, by B W Anderson

Gems | Their Sources, Descriptions and Identification | [rule] | Fourth Edition | Robert Webster FGA | Revised by B

W Anderson BSc, FGA, FKC | Butterworths | London Boston Durban Singapore Sydney Toronto Wellington [1983]

16°: xxii, 1006 p; front col photo tip-in + 16 other col pls, mostly with outline sketches below of objects depicted above printed on 8 glossy f sewn-in between p 10-11 but not counted in pag; 541 fig. Brown, unfin cloth, gold spine title with gold beryl crystal stamped on front cover; pale brown endp. Col dj, col photo emerald cluster front cover; other bks of publ back cover; flap reviews, vitae. 23.3 x 15.4 cm(9 1/8 x 6 in). Cut. ISBN 0-408-01148-3. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; col pls list; prefs; introd; 38 chs(in 2 pts); 17 identif tabs; biblio(p 965-70, 252 entries); indexes.

Anderson's preface recounts the publishing history of the present book from its first edition; he was persuaded to undertake a revision for the fourth edition "partly as a memorial tribute to an old and valued colleague." New material: much on the synthetic cubic zirconia, newer instruments for measuring high refractive indexes, synthetic precious opal, synthetic quartzes in various colors, explanations of modern diamond grading systems, new gem materials, etc, and with some cuts in former text as space compensations. A very detailed analysis of contents by J R H.Chisholm, *J Gemm*, 19, 1, 1984, 7-2.

7098. -----1964 Composite stones. *J Gemm*, 9, 5, 1964, 161-76, 12 fig, 16 ref.

7099. -----1967 Ornamental serpentine. Ibid, 10, 5, 1967, 152-70, 10 fig.

7100. -----1970 Modern synthetic gemstones. Ibid, 12, 4, 1970, 101-48, 32 fig, tab, ca 150 fig. Reprinted in *Austral Gemm*, 11, 1, 1971, 9-25, ill.

7101. -----1975

Gems In Jewellery | by | Robert Webster FGA | London EC1V 7QA | England | iii [NAG Press Ltd, 1975]

8°: viii, 136 p; 35 photos on 9 bound-in glossy f; 6 col photos on 3 bound-in glossy f not includ in pag(but with own italic numerals). Brown cloth-type paper over bds, gold spine title. Col dj, photo of diamond ring on covers; flap resume, vita. 23 x 15.2 cm(9 x 6 in). Cut. £ 3.90. ISBN 7198 0031 5. JSL.

Cont: 1/2tp; tp; other bks of author & publ data; tab cont; introd; 21 chs; tabs; biblio(p 132, 12 entries); index; ackn.

A book written in Webster's simplified language for the general public, and, one suspects, as a relaxative change from his usual factual writing. It adequately covers the most important facts of diamond and other usual gemstones, but does include comments on several rarities. A bit of technical material is injected here and there but sometimes it does more confusing that clarifying because of lack of preparatory groundwork prior to a discussion in which technical terms are not explained, nor the concepts to which they apply. Faced with the problem of altering his writing to accomodate the general public, his text veers from very simple, almost childish writing in some places to the use of the scientific language previously objected to. Nevertheless, the book contains a great deal of interesting and uncommon information, liberally laced with anecdote, colorful description, and intriguing facts. The text consists of short chapters on the gemstones treated, many such chapters being devoted to two or more gemstones which commonly have no relationship. There are separate chapters on synthetics, pearls, organic materials, and gem testing. The final part is a series of property tables grouped according to color, short sections on wedding anniversaries, birthstones, and a completely inadequate and poorly-chosen bibliography. The photographs, bound-in in two groups, give views, rough & cut gemstones, mining activities, lapidaries at work, instruments and use, and other subjects of interest, but not keyed to specific places in the text! The color photos are of cut gems. On the whole, a carelessly conceived and written work which compares unfavorably to his previous works. Rev R G Hunt, *Gems*, 8, 3, 1976, 57, 59.

7102. -----1977, New York, rev edit(by E W Egan), new title

Gem | Identification | [large, b&w photo] | By Robert Webster | [logo] Sterling Publishing Co., Inc. New York [1977]

Edgesewn: 130 p; 6 col photos on 3 bound-in glossy f; 56 text photos & 11 line drawings. Col bds, with yellow lett & col photo on front, spine title, back cover resume. 25.4 x 20.8 cm(10 x 8 in). Cut. P [2]: "First published under the title "Gems in Jewellery"... edition adapted by E.W.Egan for American audiences." LC 76-19800; ISBN 0-8069-3078-0 Trade, 3079-9 Library[not seen].

Cont: tp; other bks, ackn, publ data; tab cont; 2 photos; introd; 21 chs; gem identif charts; index.

The title is misleading; while the property tables and slight text on identification procedures can be of some help to the beginner, such help is inadequate and not a substitute for referring to standard texts on gem identification. The text is double-columned; spellings conform to United States usage; ch headings retitled in part and quotations thereunder omitted; tables rearranged in part but lists of wedding anniversaries, birthstones, and books omitted. An unsuccessful salvage attempt.

7103. WEBSTER, ROBERT & HINTON, VIRGINIA V

Introductory Gemology | A Study Of The Identification | Of Gemstones, Pearls, And | Ornamental Minerals | By | Robert Webster, F.G.A. | Author of The Gemmologist's Pocket Compendium | With Revisions for American Edition | By | Virginia V.Hinton,C.G., F.G.A. | [rule] | Vol.5 of The Jeweler's Library | Price $2.75 | Gemological Institute Of America | 541 South Alexandria, Los Angeles 5 [1945]

8°: [6], 181, [1 blank]p; 54 fig + 3 unnumb fig; 21 photos on 8 bound-in glossy f. Yellow-green pebbled cloth, gold title on cover & spine. 20.5 x 13.7 cm(8 x 5 3/8 in). Cut. JSL.LC 46-25009.

Cont: 1/2tp; other GIA bks; tp; publ data; pref; fwd; text; answers to questions; index; blank p.

The substance is largely Webster's *Practical Gemmology* with numerous minor(if not trivial) revisions, additions, and corrections. Their value is not great and one wonders what justification was advanced for creating a variant when the original could have done as well. There are paste-on corrections(p 162, 171) and upon the photo plate after p 74. Glossy title leaf cancel, tipped-in. First leaf(pref) reset in part. A reprint issued in blue-green pebbled cloth, with same canceled titleleaf plus canceled p 1-2, tipped-in. The paste-on corrections now eliminated by resetting of type. A photo on the 2nd plate after p 74 substituted.

7104. -----194-?, 2nd printing

Introductory |...| Vol.5 of the Jeweler's Library | Second Printing | Gemological Institute Of America |...

Identical to the above, but uses yellow-green cloth; 16 photos on 6 bound-in glossy f between p 74-5 + 8 photos on 4 bound-in glossy f between p 106-7. No canceled leaves, all having been reset. JSL.

WECKER, JOHANN JACOB(1528-1586)

Swiss professor of logic & rhetoric in Bâle, from 1557, his native city; earned an MD & apptd town physician in Colmar in 1586; wrote several important medical treatises. *Biogr Univ*, 50, 310-1.

7105 -----1582 De secretis libri XVII... Basileae, 1582. 8°: (48), 962 p; device; many woodcut ill. Not seen; from a February 1988 list of Bruce J Ramer, New York. The first edition. "Includes sections on metallurgy (a large part), glass, hydraulic engines, jewels (and how to counterfeit them), meteors, hail, rain, snow, thunder, lightning, hurricanes, natural magic, mathematics, music..., astrology & occult. Duveen 612; BM STC, 907."

I have made no attempt to collect and examine the numerous editions of this popular book of "secrets," or practical recipes, and only several are given below. For comments on this and similar works, see Thorndike, *History of Magic*, 6, p 215 ff, and a description of the Basel 1642 edition by Ferguson, *Bibliotheca Chemica*, 2, p 534-5, plus other editions. The amount of gemological information is not large and is confined to several dozen text pages in Liber XI, and presenting part factual, part fabulous information as was typical of its genre.

7106. -----1614, Rouen. Les secrets et merveilles de Nature. Recueillies de divers autheurs, & divisez en xvii livres... Revue, corrigée & augmenté. A Rouen; Chez Manassez de Preaulx, 1614. 8°: (xvi), 858, 45 p; many woodcut diagrs in text; woodcut printer's device on title. Not seen; from Bruce J Ramer, New York, Cat 3, May 1986, no 142. Another source gives a reprint of this edition in 1620.

7107. -----1629

De | Secretis | Libri XVII. | Ex variis Authoribus collecti, metho- | diceque digesti, & aucti | Per | Joan.Jacobum Weckerum, | Basiliensem, Medicum Colma- | riensem. | Accessit Index locupletissimus. | [large woodcut vignette] | Basiliae, | Sumptibus Ludovici Regis. | [rule] | M.DC.XXIX.

8°: [15], [1 blank], 667, [27], [2 blank]p;)(^{8}, a-z^8, A-V^8, X^4; many woodcut fig. 16 x 9 1/2 cm(6 1/4 x 3 3/4 in). Cropped. USGS Kunz Coll, GS 34-394.

Cont: tp; dedic; ackn(poem); authors cited; diagram of cont; text; index; blank f.

7108. -----1639, Rouen Les secrets... Rouen: David Ferrand, 1639. 8°: viii, 1012, 43 p; text woodcuts. Not seen.

7109. -----1652, Lyon Les secrets et merveilles de nature... recuillies de diuers autheurs... reueu, corrigé augmenté, enrichy de plusiers figures... Lyon: Bailly, 1652. 8°: [16], 904 p; woodcuts in last 5 bks. Not seen, from Zeitlin & Verbrugge, Los Angeles, Cat 284, 1985, no 303, "this edition is very rare... not listed by Ferguson, Duveen, Brunet or Graesse. Caillet: III, 726, records a Lyon, 1653 edition."

7110. -----1662, Basel De secretis libri xvii... accessit index locupletissimus, Basileae, sumptibus Johannis Regis, excudebat Joh.Rodolphus Genatii, 1662. 8 p, 1, 667, [27]p. ill; diagr. 17 1/2 cm. Not seen; from USGS Kunz Coll, GS 34-393.

7111. -----1701, Basel De secretis libri xvii... additionibus e pharmacia & chymia utilissimis aucti. Basel: J.L.König, 1701. Not seen; from Jonathan Hill, New York cat: "there is much on mineralogy, chemistry and distillation (with illustrations of apparatus), mathematics, mechanical inventions, music, botany, medical secrets and cures, etc."

7112. -----1750, Basel; not seen.

7113. WEIBEL, MAX(1931-) Edelsteine und ihre Mineralieneinschlüsse. Zürich: ABC Verlag, 1985. 111 p, col ills. Not seen; rev by M.O'Donoghue, *J Gemm*, 19, 8, 1985, p 735, "this most attractively-presented book is written with the assistance of Dr Edward Gübelin, who has supplied some of the photographs. Despite the title the book is... rather a concise review of the major gemstones with particular reference to their mineral inclusions and with valuable notes on how they were formed." The author is prof geochemistry, Eidgenössischen Tech Hochschule, Zürich. Rev *Lapis*, Jg 10, 6, 36, 1985.

7114. WEIDNER, H Die Bernstein-Termiten der Sammlung des Geologischen Staatsinstituts Hamburg. *Mitt Geol Staatsinst Hamburg*, 24, 1955, 55-74, pls 1-3, 8 fig. JSL.

WEIGEL, OSKAR THEODOR VIKTOR(1881-)

Ger mineralogist; PhD Göttingen U 1905; prof mineralogy, petrography & dir Mineralogical Inst Marburg U. Pogg 6, 2831.

7115. -----1923 Über die Farbenänderung von Korund und Spinell mit der Temperatur. *N Jb Min*, BBd 48, 1923, 274-309, 5 fig; also separate. JSL. Establishes color absorption curves for selected natural spinels, natural corundums, and synthetic ruby as they vary with increasing temperature. The curves for ruby & spinel are identical at room temperature and owe their hue to chromium.

7116. ----1938

Wissenschaftliche | Ergebnisse meiner Forschungsreisen in Ostasien | Von O.Weigel | Heft 2 | Zirkone von Mogok | und Ceylon | Von | O.Weigel | Marburg 1938 | Universitätsverlag von Robert Noske/Leipzig | [pasted strip below:] Auslieferung: Robert Noske, Borna Bez. Leipzig

8°: 37, [1 blank]p; 7 fig(Fig 2, a photo, on tip-in glossy f); 12 tab. Pale brownish-gray printed wrap. 23.2 x 15.5 cm(9 1/8 x 6 1/8 in). Cut.

Studies radioactivity in zircons from Mogok, Burma and Ceylon, with preliminary information on deposits, crystal forms, colors, and specific gravities. Radioactivity is measured in relation to density, coloration and double refraction in the samples; remarks furnished on causes of differences in properties & radioactivity.

7117. WEIGEL, O & HABICH, G über Mineralfärbungen. I.Die Absorption rot gefärbter Mineralien in sichtbaren Teil des Spektrums. *N Jb Min*, BBd 57 (Mügge Festschrift), Abt A, 1928, p 1-56, figs. See Pt 2 below. JSL.

7118. WEIGEL, O & KRÜGER, E

Wissenschaftliche | Ergebnisse meiner Forschungsreisen in Ostasien | Von O.Weigel | Heft 1 | Die Saphirlagerstätte, von | Bo Ploi in Siam. I. Teil | Von | O.Weigel und E.Krüger | Marburg 1934 | Universitätsverlag von Robert Noske / Leipzig

8°: [3], [1 blank], 40, [1]p; 2 sketch maps; 7 fig; 19 tab; 2 pls. Pale brownish-gray printed wrap. 23.3 x 15.6 cm(9 1/4 x 6 1/8 in). Cut. JSL.

The first adequate study of the origin of the gem corundum of the Boi Ploi, Siam deposits. The stones are weathered from theralite, a nepheline-bearing plutonic rock. The first part of the text describes the mines, their working, and the disposition of the gem material, while by far the largest portion of text is devoted to a minute description of the rock itself. The plates, both on a single glossy leaf, show a native lapidary shop and a scene at the mine workings where the weathered rock is prominently exposed. While the title gives this paper as "Part I," there seems to have been no continuation published.

7119. WEIGEL, O & UFER, H Über Mineralfärbungen. II.Die Absorption einiger rot gefärbter Mineralien und künstlicher Präparate im sichtbaren und ultravioletten Teil des Spektrums. *N Jb Min*, BBd 57, Abt A, 1928, 397-500, figs, Pl 6. JSL. Measures absorptions of visible light in red minerals: almandine, pyrope, grossular, tourmaline, quartz, topaz, rhodochrosite, apatite, kunzite, zincite, zircon, fluorite, carnelian, and wulfenite. The second part similarly measures absorptions in the visible and ultraviolet regions for ruby, spinel, pyrope, almandine, grossular, tourmaline, and quartz.

7120. WEIL, GEORGE

George | Weil | 25 June to 8 July 1978 | Douglas J K Wright Ltd | 34 Curzon Street | London W7Y 7AE | Telephone 01-629 9993/4

Sewn: 67, [1 blank], [2]p; 52 b&w + 3 col photos. Stiff col wrap, col photo on front cover with title. 25.4 x 20.3 cm(10 x 8 in). Photos on white glossy f; text on thick pale gray matte-finish paper.

Catalog of an exhibit of netsuke-type carvtngs made mostly from ivory but incorporating wood, metal, and other materials.

7121. WEILLER, RAYMOND Intailles antiques découvertes au Grand-Duché de Luxembourg. Offprint: Vol 94, *Publications de la Section Historique de l'Institut Gr.-D. de Luxembourg*, 1980, 64 p, 2 col & 17 monochrome pls; 5 text fig. Paper wrap. 24.5 x 16 cm. Not seen; from Thomas Heneage, London, Cat 8, 1984, no 360.

7122. WEINER, KARL LUDWIG Obsidians and gemmology. *J Gemm*, 18, 8, 1983, 745-60, 6 fig, 2 ref.

7123. WEINSCHENK, ERNST HEINRICH OSKAR KASIMIR(1865-1921) Vergleichende Studien über die dilute Färbung der Mineralien. *Zs Anorg Chemie*, 12, 1896, 375-92. JSL. Reviews previous investigations into the causes of color in minerals, including several gemstones, and states his conviction that when such causes are fully investigated that colors will be found to be due to minute quantities of inorganic compounds of the rare elements as titanium, zirconium, tin, rare earths, and probably also vanadium. The author was prof petrography in Munich U; Pogg 4, 1614; 6, 2838.

7124. -----1897 Meerschaum von Eskishehir in Kleinasien. *Zs Krist*, 27, 1897, 559-73. Not seen.

7125. WEINSTEIN, MICHAEL

Precious And | Semi-Precious | Stones | By | Michael Weinstein | [logo] | London | Sir Isaac Pitman & Sons, Ltd. | Parker Street, Kingsway, W.C.2 | Bath, Melbourne, Toronto, New York | 1929

8°: x, 138, 24 advert p; tip-in front glossy col pl + 24 photos on 11 tip-in glossy f; 4 text fig. Maroon cloth, gold title in frame on cover; gold title & blind rules on spine. Tan dj, dk blue title on cover & spine; other publ bks on back & flaps. 21.3 x 14 cm(8 3/8 x 5 1/2 in). Cut. JSL.

Cont; 1/2tp; front; tp; print data; fwd; tab cont; ill lists; 17 chs; append; index; adverts.

Despite its brevity, this well-written and easily understood work enjoyed the status of a standard reference in the English language. It brought to the public an attractive production, good illustrations, and an accurate text. Of the four parts, the first consists of three chapters on natural, synthetic, and imitation gemstones, with remarks on properties and the cutting, coloration, and marketing of gems. The second part of five chapters describes diamond, corundums, emerald, opal, and pearl, while the third part, 6 chapters, takes up the remaining important gemstones. The last part, in three chapters, treats amber, coral, and jet, and closes with a chapter on curious lore, to which is appended the bibliography of 23 entries. The appendix contains tables of colors, chemical compositions, hardnesses, specific gravities, optical constants, a list of principal gemstone sources, and a table of weights & measures. Rev E H Kraus, *Amer Min*, 15, 1, 1930, 42; several errors pointed out.

7126. -----1930, 2nd edit

Precious And |...| [logo] | Second Edition |...| 1930

8°: x, 148, [2 blank], 32 advert p; same ill, binding, dj. LC 30-14388. JSL. "In this edition, a few corrections have been made and some additions have been introduced, especially in the chapter on diamond, thus bringing the work absolutely up to date."

7127. -----1939, 3rd edit

Precious And |...| [logo] | Third Edition | London | Sir Isaac Pitman & Sons, Ltd. | 1939

8°: x, 184, [2 blank], 8 advert p(adverts on semi-glossy paper); same ill. Same binding but smoother, less dark red cloth. 21.2 x 13.7 cm(8 3/8 x 5 3/8 in). Cut. Same dj. JSL. LC 40-7401.

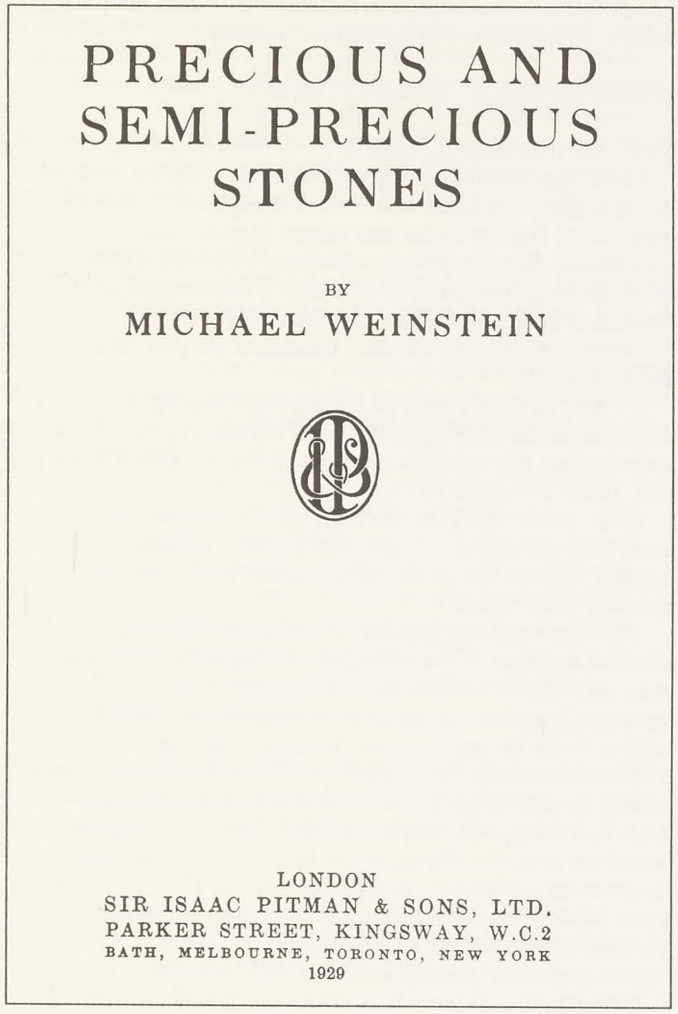
Cont: 1/2tp; front; tp; publ data; fwds to 3 & 1 edits; tab cont; ill lists; text; append; index; blank f; adverts.

Text substantially augmented, with additions appearing in nearly every chapter; bibliography now 89 entries, arranged chronologically, but with a considerable number of errors.

7128. -----1944, 4th edit

Precious And |...| Michael Weinstein | Fourth Edition | [logo] | London |...| 1944

8°: x, 185, [1 blank]p; same ill, same cloth but cover stamping blind; gold title & blind rules on spine, the lett runs vertically; same dj. 21.4 x 13.8 cm(8 1/2 x 5 1/2 in). Cut. Except pls, all paper cheap, tan stock due to WW II restrictions. £ 10/6. LC 45-3907. JSL. Cont: same but pref moved; now 98 entries in


PRECIOUS AND
SEMI-PRECIOUS
STONES

BY
MICHAEL WEINSTEIN

LONDON
SIR ISAAC PITMAN & SONS, LTD.
PARKER STREET, KINGSWAY, W.C.2
BATH, MELBOURNE, TORONTO, NEW YORK
1929

7125. First edition of a very popular, simplified treatment of gemstones and their properties which passed into several editions

biblio; print hist on p [iv] incorrect: dates of 1930 and 1936 should be 1929 and 1930.

7129.-----1946, 4th edit reprint; identical but paper thicker & coarser; a 2nd reprint in same year bound in smooth vermilion cloth.

7130.-----1946, 4th edit, New York & Chicago

Precious And |...| Fourth Edition | [logo] | Pitman Publishing Corporation | New York Chicago | 1946

Identical to previous but bound in pale red cloth, with only black title on cover & spine. 21 x 13.6 cm(8 1/4 x 5 3/8 in). Cut. JSL.

7131.-----1958

The World Of | Jewel Stones | [taper rule] | By Michael Weinstein | Illustrated With | Full Color And Black-And-White Plates | Sheridan House, Inc. · New York 19581

8°: ix, [1 blank], [1], [1 blank], 430 p; tip-in glossy front col pl + 13 others tip-in; 39 photos on 16 bound-in glossy f; 6 fig. Dk gray-blue buckram, gold spine title. Col dj(blue with col ill); resume. 23.5 x 15.5 cm (9 1/4 x 6 1/8 in). Cut. $10. later $17.50. LC 58-14178. JSL. Reissued in plain brown, white lett dj, with date of "1967" on tp; text paper slightly tan tint, thinner, and the text ca 3 mm thinner.

Cont: 1/2tp; front; tp; publ data; tab cont; pls lists; blank p; fwd; blank p; text tp; 22 chs; biblio(p 399-402, 135 entries); append; index.

This may be considered an elaborated version of the author's *Precious and Semi-Precious Stones*, but is much larger and brought up to date. The appendix material, especially the bibliography, still contains the same many errors because the entries appear to have been uncritically copied from his previous work. The text begins with a history of gems and then provides a series of chapters descriptive of gemstones as before then passes into the less important stones, and ending with the organic materials by Ch 15. However, Ch 16, and the remainder, tackle the technical aspects of gemology, treating topics as properties, synthetics & imitations, lapidary work, artificial coloration, identification, weights and values of gemstones, and a final chapter on prospecting, in which, rather strangely, Weinstein discusses how one should buy gems and what the criteria of choice should be. The color plates are borrowed from B Midderigh-Bokhorst's *Glans en Gloed*, which see. A great deal of information is embodied in this large book but its importance is seriously lessened by an astonishing number of factual errors, misleading statements, inconsistencies, and incoherencies, all the more incredible in view of the abundant modern literature which the author could have consulted, Reviews: E Bruton, *The Gemm*, 28, 340, 1959, 215-6; *G & G*, 9, 10, 1959, 316 "so long as Mr.Weinstein confines himself to discussions of the various gemstones, the book is interesting and fairly accurate."

7132. -----1959, London Not seen. Rev: B W Anderson, *J Gemm*, 7, 5, 1960, 198-301, "within the pages... there is enough good material to make a useful book for the general reader. It would, however, need drastic pruning and revision before it could be honestly recommended to the serious gemmologist." Reprinted in 1966 in dk blue cloth; greenish-yellow dj. JSL.

7133. WEINTHAL, LEO

Memories, Mines | and Millions | Being The Life Of | Sir Joseph B.Robinson, Bart. | [orn] | Compiled and Edited by | Leo Weinthal, C.B.E., | Editor of "The African World." | [orn] | London: | Simpkin Marshall, Ltd., Stationer's Hall Court, E.C.4. | 1929. [title in orn & ruled frame]

8°: 248 [recte, 250p] + extra f supplied after titlef & not includ in pag; another f after 242, also 234(numbered 234a-234b); the total pag is therefore 254; 4 pale gray stiff paper tip-in inserts on which are mounted 5 actual photo prints, one a portr of Robinson(front); over 110 text photos; 25 cartoons. Bright red cloth, gold title cover & spine. Pale tan endp. 24.5 x 18.8 cm(9 5/8 x 7 3/8 in). Cut. Stiff glossy paper. A deluxe edit is bound in maroon morocco, blind frames on covers; gold title on front;, gold title & rules on spine. Pale tan endp. Aeg. P size trifle smaller. JSL.

Cont: 1/2tp; front; tp; publ data; insert leaf(poem); tribute by Robinson's daughter; tab cont; ill list; pref; poem & sketch; 14 chs; 7 appends; index; photo.

Sir Joseph Benjamin Robinson(1840-1929) was the first Premier of the Union of South Africa and its first baronet. Early parts of this elaborate and richly illustrated work deal with

Robinson's adventure in alluvial diamond mining, and also in the financial world of Kimberley, especially in connection with the diamond industry. He is reputed to have been the first to dig for alluvial diamonds along the Vaal River, and the first to independently ship rough diamonds to England. A review of this work in the *S Afr Min & Eng J*, 40, 1929, 480, was not entirely favorable, some statements in the book were believed to be inaccurate by the reviewer, whose article ended with "It will thus be seen that the book is in many respects highly controversial," but adding "it is replete with excellent illustrations, and is well produced." To this it may be added that the illustrations cover all phases of the life and times of Robinson and include portraits, views, diamond mining activities, rough diamonds, etc. Scarce.

7134. WEISBACH, KARL

Karl Weisbach | Hammer | Meissel | Seltene | Steine [to left appear in column:] Bergsteigen | und | Wandern | einmal anders | [below:] Verlag "Das Bergland-Buch" Salzburg/Stuttgart [1969]

Cementb: 282, [2]p; 29 col photos & 11 b&w photos on 12 glossy f includ in pag. Tan, unfin cloth, brown title on spine. Col dj, photo of rough amethyst on front; resume. 20 x 18.2 cm(7 7/8 x 7 1/8 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; introd; 33 chs; ill index.

In humorous vein, the author writes about collecting experiences in Austria, during which he sought rock crystal, amethyst, morion, citrine, serpentine, dendritic opal, emerald, and also non-gem minerals and fossils. Amusing reading but localities poorly placed, perhaps purposely.

7135. -----1972, 2nd edit. Cloth. DM 29.80, ÖS 220, SFr 36.70. Not seen.

7136. -----1971

Karl Weisbach | Smaragde | Such sie selbst | Verlag Das Bergland Buch | Salzburg/Stuttgart/Zürich [1971]

8°: 191, [1]p; 11 col photos & 24 b&w photos, sketch map all on 10 bound-in glossy f includ in pag. Green, unfin cloth, gold spine title. Col dj, col photos, resume. 20.5 x 19 cm(8 1/8 x 7 1/2 in). Cut. DM 27, ÖS 180, SFr 33.20. ISBN 3 7023 0009 0. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ackn; introd; text.

The title, "Emeralds, find them yourself," refers to excursions to the celebrated emerald mine & dumps in the Habachtal, Salzburg region, Austria. The first part of the text is a potpourri of anecdotes about the emerald, its history, emeralds of the New World, and emeralds elsewhere, followed by a section on how to set up and operate a home lapidary shop. Another section takes the reader to a modern mineral show and discusses buying and selling practises therein. Other sections treat deceptions in connection with the emerald and other gemstones, with an especially large section on the Habachtal region, the local scene, the famous way-stop known as the Alpenrose Inn, the climb to the mine, its tunnels & dumps, and how one digs in the dumps. More tales and anecdotes finish the work. The color photographs are mainly rough & cut emeralds, matrix specimens, and emeralds set in jewelry; other photographs depict views, mine dumps, mine adit, the Alpenrose Inn, etc. Rev R Metz, *Der Aufschluss*, 25, 9, 1974, 512, criticizes misleading title, implies author ignorant in science of mineralogy, cites errors, points out lack of references to important literature, and states that the work is "not much use to the serious collector."

WEISFERMEL, W, see LOTZ, H, et al

7137. WEISGERBER, GERD

5000 Jahre Feuersteinbergbau | Die Suche nach dem Stahl der Steinzeit | bearbeitet von | Gerd Weisgerber | unter Mitarbeit von | Rainier Slotta und Jürgen Weiner | Ausstellung im | Deutschen Bergbau-Museum Bochum | vom 24. Oktober 1980 bis 31. Januar 1981 |...[2 lines]...| Herausgegeben vom | Deutschen Bergbau-Museum Bochum 1980

"Veröffentlichungen aus dem Deutschen Bergbau-Museum Bochum, Nr.22."

8°: XII, [2 blank], 672, [2 blank]p; 643 text fig; index maps(not includ with figs); tabs. Stiff col photo wrap; decorated covers; white title on front & spine. 22.9 x 21 cm(9 x 8 1/4 in). Cut. ISBN 3-921533-20-;.

Cont: 1/2tp; ser tp & edit data; tp; fwd; lenders; introd; tab cont; text; cat of mines & quarries; biblio(p 632-63, ca 300 entries); authors list; photo credits; quot; publ data; other museum publs; blank f.

The overwhelming importance of flint and other similar siliceous materials in the technology of European early man, and even into relatively recent times, is reflected in this very large monograph which was prepared to augment and explain the exhibit in the Mining Museum, Bochum, Germany, October 24 1980 to January 31 1981. There are 50 contributions by many experts in some phase of the natural and sociological history of flint, its mining, and its employment in tools and weapons, the manufacture of the objects, work sites, trade in flint, flint in art & ornament, other uses, and modern uses of flint. The enormous bibliography is not unexpected in view of the unique position of flint already alluded to, and is classified under headings as prehistoric mining, manufacturing techniques, natural history, etc. It is all splendidly illustrated and forms a first-class book in other respects.

WEISSERMEL, W, see KAISER, E, 1926

7138. WEIXLGÄRTNER, ARPAD

Kungl. Vitterhets Historie Och Antikvitets | Akademiens Handlingar | Antikvariska Serien I | [rule] | Das Reliquiar Mit Der Krone | Im Staatlichen Historischen Museum | Zu Stockholm | Das Reliquiar[-Tafeln] | Von | Arpad Weixlgärtner | [logo] | I distribution: | Almqvist | Wiksell | Stockholm [2 vols; 1945]

Text: 8°: 137, [1 blank]p; 12 photos. Pale gray wrap, cover & spine titles; publ data, price back cover. 24.4 x 17 cm(9 5/8 x 6 3/4 in). Uncut. Glossy paper. SKr 10. JSL.

Cont: tp; publ data; tab cont; ill list; dedic; introd; fwd; 3 parts; notes; blank p.

Plates vol:

Das Reliquiar |...| zu Stockholm | Tafeln | [logo] |... [1954]

8°: 40 p; 71 photos. Same wrap, size, etc.

Cont: tp; publ data; index to ill; pls tp; pls.

Elaborate analysis of a Middle Ages reliquary in the State Historical Museum, Stockholm, Sweden. The object is fundamentally an agate bowl, supported by an intricate pedestal and ornamental outer supports, and covered with a lid in the form of

an arched crown. The precious metals of the fittings, both silver & gold, are beautifully wrought and decorated with cabochon and engraved gems, all of which is carefully described in the text volume, especially the engraved gems (p 105-37), with photographs of same. The plates show broad and close-up views of the vessel and of various disassembled parts. Weixlgärtner was a specialist of crown jewels and wrote on those of Vienna.

7138A. WELLER, SAM

Jarrold Collectors Series | Let's Collect | British | Gemstones | with text by Sam Weller | Jarrold Colour Publications, Norwich [1976]

Centerstapled: [32]p; 36 col photos; 6 ill. Black, glossy wrap; col photos & title on covers; inside front cover map; inside back cover addresses, vita, publ data. 19.2 x 13 cm(7 5/8 x 5 1/8 in). ISBN 85306 663 9.

Attractive, well-illustrated, but title misleading, the work being mostly a description of British Isles gemstones but without specific localities, nor methods of prospecting, recognition, etc. Some entries are questionable inasmuch as the gemstones are no longer found, or were found in so few good examples that they could scarcely be counted among native gemstones. The illustrations are good but of specimens that obviously are uncuttable. A catchpenny publication of little merit. Rev C Rogers, *Gems*, 9, 2, 1977, 31.

7139. WELLMANN, MAX Die Stein- und Gemmenbucher der Antike. *Quellen u Studien zur Geschichte Naturwiss u d Medizin*, Berlin, 4, 4, 1935, 86-149. Not seen: C Meier, 1977, p 540; R A Müller, p 102.

7140. WELLS, A J Corundum from Ceylon. *Geol Mag*, London, 93, 1, 1956, 25-31. Brief but important account of evidence of source of crystals in alluvium.

WELLS, G W, see METZ, R, 1974

7141. WELSH, CHARLES

The | Language, Sentiment, | And Poetry Of | Precious Stones | By | Charles Welsh | Editor Of "Love's Garland," "The Lovers' Clock," | "The Golden Treasury Of Irish Songs," "The | Fragrant Weed," Etc., Etc. | New York | The Platt & Peck Co. [1912]

8°: 128 p. Pale tan cloth-type paper over bds; title, orn & orn frame on cover in red, pink, orange & blue; the frame resembles a necklace of square links set with numerous vari-color gems. 19.1 x 12.8 cm(7 1/2 x 5 in). Cut. Coarse, soft, browning paper. JSL.

Cont: tp; publ data; introd; tab cont; poem; text.

Compiles quotations, extracts, verses, etc, from various sources which express spiritual meanings of gemstones. Lists symbolic gems, birthstones, gems & compositions, etymology of gem names, dictionary of properties & virtues of gems. Contains numerous factual errors; it is of little value compared to other works on gemstone lore. Scarce.

7142. WELT AM OBER RHEIN [A special issue entitled:] Schöne Steine Edler Schmuck. Heft 4, 1961, Verlag G.Braun, Karlsruhe. Edgestapled: p 213-76. Stiff, col wrap. 31 x 23.8 cm(12 1/8 x 9 3/8 in). Many photos, 3 col. DM 3.90. JSL. Contains articles on history & lore of gemstones and modern lapidary industry in Germany. Photos of gemstones being cut & polished; 2 color plates of cut & rough gemstones. Rev W Fischer, *Der Aufschluss*, 13, 3, 1962, 79-80.

7143. WELTER, OTTO A Ein Beitrag zur Geologie des Nephrits in den Alpen und im Frankenwalde. *N Jb Min*, Jg 1911, Bd 2, 1911, 86-106, 163; Pls 8 & 9. Also issued separately. JSL. Nephrite occurs near Salux, Val da Faller, and other places in Switzerland, also in Frankenwalde, Germany.

7144. -----1911 Bericht über neuere Nephritarbeiten. *Geol Rundschau*. Bd 2, H 2, 1911, 75-87. Also issued separately. JSL. Lists 73 titles of recent literature on nephrite and the nephrite question, with comments; full paginations unfortunately not given. Compares view of various writers & investigators on the jade question.

7145. WENTZEL, HANS Mittelalterliche Gemmen, Versuch einer Grundlegung. *Zs Dt Vereins Kunstwiss*, Berlin, 8, 1/2, 1941, 45-98, 84 text photos. JSL. Studies and compares engraved gems attributed to artists of the Middle Ages on basis of styles, subjects, materials, techniques; the gems were located & examined in museums and church treasuries in Germany, France, Italy, and elsewhere in Europe. Numerous footnotes, references. Biblio p 98, 25 entries. The good quality photos mainly of gems themselves but some are after casts.

7146. -----1954 Die vier Kameen im Aachener Domschatz und die französische Gemmenschneidekunst des 13. Jahrhunderts. Ibid, 8, 1954, 1-18. Not seen.

WENZ, W, see KAISER, E, 1926

7147. WERLAUFF, E C Bidrag til den nordiske ravhandels historie. *Kong Danske Vidensk Selskabs Skrifter, hist og phil Afhandl*, Kjøbenhavn, 5, 1836, 150-334; ill. Not seen.

7148. WERTZ, EDWARD & WERTZ, LEOLA

Handbook of | Gemstone Carving | A Complete Guide | To The | Materials, | Equipment and | Techniques | For Carving Gemstones | by | Ed and Leola Wertz | Price $2.00 | Copyright 1968 by Gembooks | Published by | Gembooks | Mentone, California 92359

Centerstapled: 48 p; 92 (recte 96) fig. Heavy paper wrap, col photo with orange & black lett on cover; other publ bks back cover. 21 x 13.7 cm(8 1/4 x 5 3/8 in). Cut. JSL.

Terse, clear presentation based on authors' experiences; illustrated with photos of tools, equipment, accessories, and partly- to fully-completed pieces. Topics: design, design ideas, useful gemstones, display, with an appendix of tool & accessory suppliers, in addition to step-by-step instructions.

7149. WESSELEY, K Über den Bernstein in seiner kulturhistorischen Bedeutung. Vortrag... von Prof.Dr.Karl Wesseley. *Vorträge des Vereins zur Verbreitung naturwissenschaftlicher Kenntnisse im Wien*, 1913, 8°: 33 p. Not seen.

7150. WESTERLUND, PER

Koh-I-Noor | Historien Om Världens Ryktbaraste | Diamant | Av | Per Westerlund | [orn] | [taper rule] | A.-B.Lindqvists Förlag, Stockholm [1945]

8°: 305, [3 blank]p. Col thick paper wrap; red & white lett with green oval brilliant gem on cover; spine title; resume. 22 x 14.5 cm(8 5/8 x 5 3/4 in). Ae uncut. Also in blue & gray, vertically-striped paper over bds, blue cloth spine with black panel bearing gold rules & lett. Pale blue, mottled endp. Col dj. 20.8 x 13.5 cm(8 1/8 x 5 3/8 in). Cut. Te stained blue. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; introd & fwd; 39 chs; 3 blank p.

Detailed history of the Koh-I-Noor diamond in popular, adventure-tale style, giving persons, places, and events in chronological order from the first confirmed knowledge of the gem to its final appearance in recut form among the British crown jewels. Although fictionalized, and designed for popular consumption, some useful information can be found. There are no references.

7151. WESTERN AUSTRALIA GEOLOGICAL SURVEY Information | Pamphlet 11 | Precious And | Semi-Precious Stones | In Western Australia | Geological Survey of Western Australia

Nd; title from wrap only; post 1973, Perth.

Centerstapled: 20 p(not includ wrap); sketch index map of localities. Mottled tan, stiff paper wrap, white paper-lined, with dull orange crystal decor & system terminology on front cover with title in gray. 21 x 16.2 cm (8 1/4 x 6 3/8 in). Cut. JSL.

Succinct descriptions of gemstone resources, sources of information, collecting, gemstone properties, locality information: diamond, emerald, opal, chalcedonic quartz, amethyst, tourmaline, hematite, corundum, prehnite, zoisite, rhodonite, petalite, topaz. Table of chemical compositions of the stones named; list of localities with index map. Biblio 19-20, 19 entries.

7152. WESTMINSTER REVIEW Diamond districts of Brazil. Oct 1834, XXI, p 297-319, not seen; from GONSALVES, A D, 1928, p 8.

7153. WESTROPP, HODDER MICHAEL(1821-1885) Handbook | Of | Archaeology. | Egyptian - Greek - Etruscan - Roman. | By | Hodder M.Westropp. | London: | Bell And Daldy, 186, Fleet Street, | And 6, York Street, Covent Garden. | 1867.

8°: xvi, 458, [1], [1 blank]p. Tip-in front pl + 8 others(2 fold, 1 doublep) tip-in & bound-in; 206 text wood engrav. Reddish-brown cloth, gold triple-rule frame on cover enclosing a gold sculpture group(horse, man, dog); gold rules, title, oval cameo on spine; blind 3-rule frame on back cover. Bev bds. Dk gray-green dull finish endp. 21.6 x 14 cm(8 1/2 x 5 1/2 in). Teg. JSL.

Cont: 1/2tp; print data; front; tp; dedic; pref; tab cont; ill lists; text; append; index; other bks of author; blank p.

Text in 2 divisions; sections in lieu of chs. The second division, in part, deals with engraved gems, p 250-327, in which field Westropp was expert. There are general remarks on engraved gems, their origin and history, materials, discrimination of antiques from modern gems, subjects seen upon gems, noted collections, ancient artists & signatures, celebrated examples, especially the very large cameos, engraved cups made from hardstones, modern collections, epochs of gem engraving in antiquity, rings, and short paragraphs on many gemstones and other materials employed for engraved gems as they were known to the ancients, ranging from diamond to impressions and imitations. However, the diamond, per se, was not used for gems but only as an abrasive in their cutting. While this contribution does not compare in size nor wealth of information to the treatises of C W King it does provide a fair survey and was highly regarded by contemporaries who had the occasion to comment upon its importance. Reprinted at least twice that I have seen, one in brown cloth with black-ruled frame on cover and black oval inner frame enclosing the gold central group described above. The frame and oval are also stamped on back; spine with black rules, small gold orn, & gold lett. Brown, dull endp. 21.6 x 14.1 cm(8 1/2 x 5 1/2 in). Teg. Another, is same, except te uncut; both with same date as first issue.

7154. -----1878, 2nd edit Handbook | Of | Archaeology. | Egyptian - Greek - Etruscan - | Roman. | By |...| Second Edition, Revised. | London: George Bell And Sons, York Street, | Covent Garden. | 1878.

8°: xv, [1], 600 p + 24 p cat publ bks dtd 1876; front pl with tissue tip-in + 3 other tip-in pls(2 fold); 193 text wood engrav. Red-brown cloth, black horizontal rules on cover, central circular gold medallion(Egyptian deity); similar black rules on spine with black vase & gold lett; plain back cover. Dk gray-blue dull endp. 17.6 x 11.2 cm(7 x 4 1/2 in). Cut. JSL.

Cont: ser tp & 1/2tp; front; tp; print data; pref; tab cont; ill lists; append; index; catalog.

The series title now states "Bohn's Illustrated Library," but the binding is not the usual Bohn. Entirely reset with numerous minor text changes; reduced in size & illustrations; many figures formerly on plates now incorporated in text. Much reprinted as follow:

1 Bohn Illustrated Library binding, green cloth, elaborately embossed on all surfaces; gold title, etc on spine; 7 f of yellow paper bk catalog ahead of text (also a pastedown); similar at back, with pastedown. 18.3 x 11.7 cm(7 1/4 x 4 5/8 in). Te uncut. Catalog date 1876.

2 Another with revised title reading "Handbook |...| By | Hodder M. Westropp. | London: | George Bell | Sons, York St., Covent Garden, | And New York. | 1893." The edition omitted; date advanced(!); dk green cloth, blind Bohn medallion on cover, gold rules, lett & logo(a bell) on spine; bright yellow dull endp. 18 x 11.8 cm(7 1/8 x 4 5/8 in). Te uncut. With 32 p publ bk catalog at end.

3 Reprint of 2. in med green cloth, less blind medallion on front; plain white endp. 17.8 x 11.7 cm(7 x 4 5/8 in). Te uncut. No bk catalog.

7155. -----1874 A Manual Of | Precious Stones | And | Antique Gems. | By | Hodder M. Westropp, | Author Of "Handbook Of Archaeology," "Pre-Historic Phases." | London: | Sampson Low, Marston, Low, & Searle, | Crown Buildings, 188, Fleet Street. | 1874. | [All rights reserved.]

8°: xvi, 165, [1]p; front pl with tissue; 25 numb & 16 unnumb text fig. Cloth(various bindings, see below). 17.8 x 12.1 cm(7 x 4 3/4 in). Te uncut; fe untrimmed(but see below). JSL.

Cont: 1/2tp; print data; blank p; front; tp; pref; tab cont; list; text; cat of Townshend Coll; cat Blacas Coll; cat Devonshire gems; note of a zircon; index; print data.

This work was reprinted several times and I am not sure that I have seen all versions, but all bear the same title date:

1 Reddish-brown cloth, large orn "E" blind-stamped on covers; gilt lett, orn, rules on spine; uncut & untrimmed; brown dull endp.

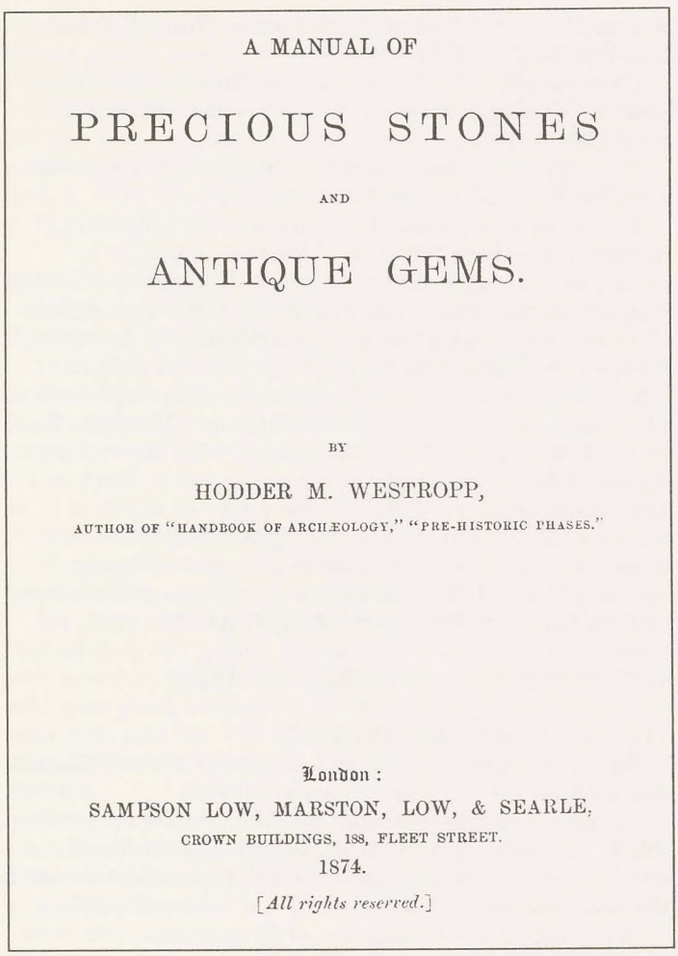
2 Purple cloth, blind frame front cover enclosing title in gold with author's name misspelled "Westrop"; same frame on back cover with central floral orn; gilt spine, blind orns & rules; v pale yellow dull endp; te uncut, fe trimmed. 18 x 11.9 cm(7 1/8 x 4 3/4 in). The evidence suggests that this may be the first issue.

3 Tan, blue, terra cotta, or green cloth; elaborate black orn frame front cover with central horizontal band containing gilt title, lower half a black-framed vignette of Pan in gold; back cover frame enclosing logo, blind. Black lett, rules, orns spine. Dull gray-green or black endp. 16.9 x 11.5 cm(6 5/8 x 4 1/2 in). Cut. Ae stained red.

4 Plain tan cloth both covers, white spine label, with rules, frame & price(Six Shillings) in black. Pale yellow, dull finish endp. 17.7 x 12 cm(7 x 4 3/4 in). Te uncut.

5 Red cloth, blind embossed large letter "E" on covers; gold spine title with rules & floral orn. Pale tan-yellow endp. 18 x 12 cm(7 x 4 3/4 in), Te uncut.

Westropp's interesting and useful book is in two parts, the first on precious stones to p 57, and the remainder on antique engraved gems with three appended catalogs of the Townshend Collection, now in the Victoria & Albert Museum, London, the Blacas Collection in the British Museum, and the Devonshire engraved gems that were set into the parure shown in the frontispiece plate. For a fuller discussion and picture of the parure and its gems see C F HANCOCK, 1857. The first part furnishes brief descriptions of many gemstones from diamond through the more important species into several gemstones of lesser importance. These are treated according to composition, but include pearls, amber and jet. Curiously the latter are not listed in the otherwise full table of contents. Little new or unusual information is imparted, and the reader instead must turn to the second part which is written in a far more detailed manner as reflecting the true interests of the author. Here are also treated the engraved gems from the compositional standpoint, commencing with diamond, but the species and varieties are now listed by their classical names and the remarks are mostly confined to their employment in engraved gems, with references to famous examples and writers who have previously described them in antiquity and in modern times. Text illustrations in the first part are mainly crystal forms and sketches of famous diamonds while those in the second part are all engraved gems but are unnumbered. Allibone, *Supplement*, 2, 1505.



A MANUAL OF

PRECIOUS STONES

AND

ANTIQUE GEMS.

BY

HODDER M. WESTROPP,

AUTHOR OF "HANDBOOK OF ARCHÆOLOGY," "PRE-HISTORIC PHASES."

London :

SAMPSON LOW, MARSTON, LOW, & SEARLE,

CROWN BUILDINGS, 188, FLEET STREET.

1874.

[*All rights reserved.*]

7155. Archeologist Westropp writes about gemstones in the first part of this small book, then about engraved gems, and lastly gives three collection catalogs for various British museums

7156. WETTSTEIN, RICHARD RITTER VON Der Bernstein und die Bernsteinbäume. *Vorträge des Vereins zur Verbreitung naturwiss Kenntnisse Wien*, 10, 1890-91, 24 p, 2 pls, text fig. Not seen.

WEXLER, J, see MEYER, C

7157. WHEELER, R E MORTIMER

London Museum Catalogues: No. 2 | [rule] | The Cheapside Hoard | Of Elizabethan And | Jacobean Jewellery | Lancaster House, Saint James's, S.W.1 | 1928 | One Shilling Net

Centersewn: 35, [1 blank]p; 15 tip-in glossy f bearing 15 photo pls(2 in col); 6 text fig. Pale purple, thick paper wrap, cover title. 21.3 x 13.9 cm (8 3/8 x 5 1/2 in). Cut. JSL.

Cont: front pl; tp; pref; tab cont; ill list; fig list; cat; append; blank p.

Excellent catalog, describing a hoard of gems, jewels, watches, and other trinkets uncovered during an excavation in Cheapside, London in 1912, and tentatively dated to ca 1600. Of particular interest to the gemologist are diagrams of cutting styles noted upon certain of the faceted gems, small carved objects of rock crystal and other gemstones, and several unset engraved gems. All display a superior degree of lapidary skill and the ability of jewelers of the period to draw upon gemstones found in foreign lands as raw materials. Rev L J Spencer, *Min Mag*, 22, 1929, 67, "an interesting and well-illustrated account."

7158. WHEELER, W M The ants of the Baltic amber. *Schriften k.phys-ökön Ges Königsberg*, 55, 1915, p 1-142. Not seen. Also see his "Ameisen des Bernsteins," ibid, 54, 1914, 285-91.

7159. WHEELEY, HAP

Take your | pick to | agate | creek | with | hap | wheeley | by the same author:- | Faceting Without Tears | The Happy

Hellion [sketch to left of title] [Melbourne: Gemcraft Publications Pty. Ltd., 1976]

Centerstapled: 72 p; 6 sk maps, 4 fig, 26 col photos. Thick black wrap, col agate on cover with yellow title. 21.6 x 15.7 cm(8 1/2 x 6 1/4 in). JSL.

Cont: tp; note; ackn; publ data; tab cont; fwd; 5 chs; check list; gloss aboriginal words; 3 p for "Notes."

Written by an experienced collector about a Queensland, Australia region lying NW of Rockhampton, accessible by vehicle, and offering a number of mineral & gemstone collecting sites, notably the Agate Creek deposit of colorful agate nodules. Directions are given for sites that yield dendrites in stone, thunder eggs, massive epidote, the sapphire fields of Anakie, also topaz and garnet localities. Other gemstones that may be collected: peridot, moonstone, fossiliferous limestone. The Agate Creek locality is described in detail with notes on early history, early diggers of the agates, anecdotes, types of materials found, etc. The nodules are very colorful and fine pieces are shown in 17 of the color photographs. Next to the Agate Creek occurrence, considerable attention is also paid to the sapphire diggings, including how and where to dig, and how the stones are separated from the gravel. Rev: *Austral Min*, 8, Feb-Mar, 1977, 28.

WHERRY, E T, see MERRILL, G P, 1922

7160. WHETSEL, GERTRUDE P

ABC | of | Gem Stones | by | Gertrude P.Whetsel [Cover title only; np, nd probably California, ca 1955]

Centerstapled: 39, [1]p. Stiff, pale blue crumpled paper wrap, title in blue on cover with brown, cut gem upper lefthand corner; same gem, in blue, appears on all pages except the last in the same position. 17.8 x 11.5 cm (7 x 4 1/2 in). Cut. JSL.

An undistinguished description of 38 gemstones, with some localities.

7161. WHITE, E A D Synthetic gemstones. The General Electric Company Limited, Central Research Laboratories, Hirst Research Centre, Wembley, England. Reprinted from *Quarterly Reviews*, 1961, Vol 25, No 1, London, The Chemical Society. 16°: [2], 29 p, 4 fig; 5 photos on 2 glossy bound-in f; 8 tabs. Wrap. 21.5 x 13.7 cm(8 1/2 x 5 3/8 in). Cut. JSL. Summarizes production methods for modern synthetic gemstones: crystallization processes, growth methods, diamond, corundum, spinel, rutile, strontium titanate, quartz, beryl, garnet, etc, properties, future trends. Concise, useful. *Min Abstr* 15, 3, 1961, 203.

WHITE, G W, see BOYLE, R, 1972

7162. WHITE, W C Tombs of Old Lo-Yang. Shanghai, 1934, xxii, 177 p + 189 pls. Not seen, from S H Hansford, *Chinese Jade Carving*, 1950, p 138, who states (p 13): "numerous carved jades are deseribed and illustrated... [in this] important [work]... the jades were reported to have been dug, together with other interesting objects, from a group of tombs containing inscribed bells of the Eastern Chou period, near the village of Chin-ts'un... Ho-nan."

7163. WHITE, W G

Batteau And Banaboo. | (Or A Trip to the Massaruni Diamond Fields.) | [rule] | By | Rev. W.G.White. | [rule] | Brigg: Messrs. Jackson & Sons, Market Place. [nd, ca 1904]

8°: [4], 233, [3 blank]p; glossy tip-in photo front pl of author + 12 tip-in glossy photo pls. Green cloth, black frame & lett on cover; gold lett & rules spine. 18 x 12.5 cm(7 1/8 x 4 7/8 in). Cut.

Eight chapters describe the author's adventures during a boating expedition up the Mazaruni River, British Guiana searching for alluvial diamonds. Much space devoted to trip preparations, advice to others contemplating the same adventure, and accounts of his own experiences. As usual for books of this genre only meager information is provided on the nature of the diamond deposits, mineralogy, recovery methods, etc. This appears to be the first in a long series of adventure books based on explorations of this and other rivers in the general region of northern South America.

7164. WHITING, J W & RELPH, R E The occurrence of opal at Lightning Ridge and Grawin, with geological notes on County Finch. *New South Wales Dept Mines Tech Rpt*, 6, 1958, p 7-21, sketch map; fold geol sketch map(ca 26 x 37 in). JSL. General geology, petrology, economic geology of the opal deposits, including discovery and history, type occurrences, mining areas, the Lightning Ridge area(sketch map), and petrological report on rock specimens from this place.

WHITLOCK, HERBERT PERCY(1868-1948)

USA mineralogist, crystallographer, museum curator; b New York City, attend Columbia U(School of Mines) grad CE 1889; asst to Prof A E Moses, Col U to 1901; to staff NY State Mus as mineralogist to 1904; apptd State Mineralogist 1916; apptd Curator & Chairman Dept Mineralogy, Amer Mus Nat Hist, NYC in 1918, remaining to retirement 1941. Thoroughly expert in his fields, with strong & enduring interest in gemstones & gemology; author of 43 paper & bks, many important. Whitlockite, named after in 1941. Obit: F H Pough, *R & M*, 23, 6, 1948, 520-2, with biblio, also *Amer Min*, 34, 1949, 261-6

7165. -----1926

The Art Of The Lapidary | By | Herbert P.Whitlock | Curator of Mineralogy | [rule] | [cut, facade of Amer Mus Nat Hist] | [rule] | Guide Leaflet No. 65 | The American Museum Of Natural History | New York, December, 1926

Centerstapled: [2], 29, [1 blank]p; front photo + 5 text photos. Stiff, pale brown wrap, brown lett in frames & cut gem on cover. 24.8 x 17.2 cm (9 3/4 x 6 3/4 in). JSL.

Well-written, well-produced pamphlet for the general public describing the purpose and styles of cutting faceted gems, with figures that are excellent line drawings of tops and bottoms of faceted gems by cleverly utilizing light & dark lines to give the illusion of transparency.

7166. -----1934

Jade | And | The Antique Use | Of Gems | By Herbert P.Whitlock | Curator of Minerals and Gems, American Museum | [mus facade] | [rule] | Reprinted from Natural History Magazine for | July-August and September-October, 1932 | [rule] | Guide Leaflet No.79 | The American Museum Of Natural History | New York, 1934

Centerstapled: 23, [1 blank]p; 39 photos. Stiff, pale green print wrap, title & orn in frame on cover. 25.5 x 17.5 cm(10 x 6 7/8 in). Cut. JSL.

Cont: tp; "The Antique Use Of Gems"(p 3-12); "Jade"(13-23); blank p.

Clearly-written generalities on gems, colors and appeal to mankind, uses in charms, symbolism of, personal adornments from, etc, while the second article similarly treats mythology and symbolism of jade. The first article is illustrated by examples from various museums and collections but the jade photographs are mostly of small carved objects, primarily from the author's private collection. Both articles are informative and authoritative. Summ in G M Born, p 342-3; Yang 2000.

7167. -----1934

Jade, Amber, And | Ivory | By Herbert P.Whitlock | Curator of Minerals and Gems, American Museum | [ying-yang orn] | Reprinted from Natural History Magazine | for September, 1934 | Guide Leaflet Series, No.84 | The American Museum of Natural History | New York, 1934 [title in orn frame]

Centerstapled: 16 p; 26 photos. Pale green stiff paper wrap, cover title. 25.5 x 17.5 cm(10 x 6 7/8 in). Cut. JSL.LC 36-10267.

Cont: tp; text.

Excellent photos grace the text; the objects illustrated are from the Dr I Wyman Drummond collection and consist of figurines and figure groups in ivory, small ivory netsukes, a few jade carvings, sword guards, etc, but no amber objects are depicted. G M Born, 342; Yang 1999.

7168. -----1936

The Story of the | Gems | A Popular Handbook | by Herbert P.Whitlock | Curator of Minerals and Gems, American Museum | of Natural History | New York | Lee Furman | 1936

8°: [9], [1 blank], 206 p; double glossy-f front col pl with two lett tissues between, bound-in + 51 photos on 16 tip-in glossy f; 28 fig. Black cloth, gold cover title with blind ornamented recess in which is pasted a cut-out of one of the gems depicted on the front pl; blind orn panel on spine with gold title; publ name at spine foot. Dk blue col dj, red & white lett & gem sketch on front; spine pale blue with similar sketch & lett; "Star of Africa" diamond photo on back cover; flap resume, tab cont. 22.3 x 15.3 cm(8 3/4 x 6 in). Cut. $3.50. JSL. LC 36-18181.

Cont: 1/2tp; col pl; tp; publ data; dedic; tab cont; fwd; 16 chs; biblio(p 189-94, 43 entries); tab; index.

In a highly interesting style, yet preserving the dignity of scientific accuracy, Whitlock provides a general treatise on gems and gemology that has lasted for over forty years! Few gem books can boast similar careers, especially when it is considered that no substantial changes were made to the text in succeeding versions. The first four chapters treat gemstone properties, uses in antiquity, and the arts of the lapidary(2 chs), the last re-using the outstanding line drawings of cutting styles previously employed in his *The Art of the Lapidary*, 1926, described above. The remainder of the book, probably responsible for the most part for its enduring attraction, consists of fascinating descriptions and anecdotes concerning major and minor gemstones, how and where they originate, how mined, and other bits of information. The excellent illustrations are germane and provided throughout to liven the pages. The frontispiece doublepage color plate, specially drawn for this book, depicts 24 cut and carved gems but the renderings are rather sketchy. Two translucent leaves with captions are inserted between the facing plates. The last part provides a long table of gemstones and their features, eg, varietal names, colors, transparency, hardness, specific gravity, occurrences, and usual lapidary treatment. Rev L J Spencer, *Min Mag*, 24, 155, 1936, 339-40, "good light reading without being burdened with too many scientific details. The text is in part reprinted from a series of popular articles previously published by the author in various magazines." *G & G*, 2, 2, 1936, 45; *Nat Hist*, Sept 1936, 149-55, ill; *The Gemm*, 6, 71, 1937, 257-61.

7169. -----1936, London

The Story of the |...| of Natural History | Putnam | 42, Great Russell Street | London [1936]

In dk blue cloth, plain covers; gold spine lett. White, thick paper dj, black panel on front with red, cut gems; similar spine panel; advert in red-ruled frame on back cover; flaps resume. 22.4 x 15 cm(8 7/8 x 5 7/8 in). 15/-. Reprinted at least once. JSL.

7170. -----1940, New York

The Story of the |...| of Natural History | [logo] | Garden City Publishing Co., Inc. | New York [1940]

8°: [13], [1 blank], 206, [4 blank]p; same col pl but now a doublef tip-in less printed tissues; other ill same but glossy pls now bound-in. Black, vertically-striped moire cloth, green octagonal spine panel, overlapping covers, outlined in double gold rules, with gold lett. Pale tan endp. Black dj, resume, advert. 22.2 x 15.3 cm(8 3/4 x 6 in). Cut. Te stained green. JSL. LC 40-9496.

Text same, with elimination of printed tissues for the frontispiece, the captions now appear on two facing leaves after the 1/2tp; this adjustment causes the appearance of two blank leaves in the last gathering.

7171. -----1945, New York

The Story of the |...| of Natural History | New York | Emerson Books, Inc. | 1945

Identical to the first edit, including cloth binding, inset on cover, col gem pls, etc. 22.2 x 15.4 cm(8 3/4 x 6 in). Cut. Printed on thinner paper, hence considerably slimmer. $4.00. JSL. Reprintings: 1946, 1956; as of 1977 still in print.

7172. -----1937

Eve And Her Jewel Casket | By Herbert P.Whitlock | Curator of Minerals and Gems | American Museum of Natural History | [square dot] | Reprinted from Natural History, Volume XLII, pages 7-11 [ppubl, NY, 1937]

Centersewn: 16 p, 6 photos. Tan paper over bds, cover title. Spatter-pattern endp, gray & gold on very pale gray. 20.3 x 14 cm(8 x 5 1/2 in).

On the fascination, history, symbolism, and lore of gemstones, with illustrations of antique jewels and objects in the collections of the museum.

WHITLOCK, H P, see SWENGEL, H L

WHITLOCK, HERBERT PERCY & EHRMANN, MARTIN L (1903-1972)

M L E b Poland, educated Kiel, Germany; emigrated to USA 1923; in early 1930's establ mineral specimen business, later also dealing in gems; World War II service in U S Army, rising to rank Lt Col; CO bomb disposal school Aberdeen, MD; participated experiments irradiation of diamonds to permanently alter color; noted for expertise in sight recognition of minerals; widely traveled; supplier

numerous very fine specimens to museums worldwide. D Los Angeles. Obit, G S Switzer, *Amer Min*, 59, 3/4, 1974, 414-5, portr.

7173. -----1949

The Story Of | Jade | by | Herbert P.Whitlock | and | Martin L.Ehrmann | [square chinese characters stamp] | Sheridan House New York [1949; title enclosed in double-rule frame]

8°: 222, [2 blank]p; 179 photos("plates"), 10 fig, 6 tip-in col pls. Brownish-red cloth, green & gold yu symbol on cover; gold panel with green rules & gold lett spine. Endp outline maps of China in green on pale gray paper(Jade Gate & routes to jade mines). Col dj, glossy grayish-purple paper with orange lett & jade carving in center of front cover; resume, tab cont. 28 x 19.2 cm(11 x 7 1/2 in). Cut. $12.50. JSL.LC 49-10399.

Cont: 1/2tp; tp; publ data; dedic; tab cont; pls list; fwd; 10 chs; index; blank f.

Popular account of jade stressing lore and symbolism, especially among the Chinese. The first chapter treats technology of jade and its sources, followed by chapters on the jades of China, symbols employed upon carvings, inscriptions, and descriptions of a large variety of carved objects. An excellent general coverage which neglects no major aspect of the subject but perhaps is most valuable for its discussions of symbolism which field Whitlock studied intensively. The illustrations are only fair to good, while the color plates, made from watercolors, are only fair. Many of the jades are small in size, eg, pendants, fingering pieces, etc, presumably because these were already in Whitlock's private collection. Reprinted in 1965, this date now appearing on the titlepage. The endp maps replaced by plain white endp; black dj paper instead of the grayish-purple of the first issue. $20.00. Summ G M Born, 344-5; Yang 2004.

WHITTAKER, H, see KRAUS, E H, et al, 1946

7174. WIADAMAŚCI MUZEUM ZIEMI O bursztynie w Polsce. *Wiadamaści Muzeum Ziemi*, Warszawa, 5, 2, 1951, 437-52. Not seen.

7175. WIBEL, F Der Faserquarz von Süd-Afrika, eine Pseudomorphose nach Krokydolith. *Mitth chem Laboratorium Akad u Realgymnasiums Hamburg*, II, 1872, 8°, ca 14 p; precedes below; not seen.

7176. -----1873 Der Faserquarz vom Cap - eine Pseudomorphose nach Krokydolith. *N Jb Min*, 1873, p 367-80. Not seen; on fibrous quartz pseudomorphs after crocidolite, ie, tigereye.

WICAR, JEAN BAPTISTE JOSEPH(1762-1834); MONGEZ, ANTOINE(1747-1835) & MASQUELIER, LOUIS JOSEPH(1741-1811)

J B J Wicar, Fr historical painter, pupil of David, spent most of mature yrs in Italy; d Rome. A Mongez, Fr archeol. L J Masquelier, Fr engraver; 1802 awarded medal from Gallery of Florence. The below work, of which I have examined only my copy, is prefaced in Vol I by an engrav front, following which is the series title, and followed by the 3rd(?) edit titlep for the first vol; the other vols are firsts(see VINET, 1516).

7177. -----1789 series title

Tableaux, Statues, | Bas-Reliefs Et Camées, | De La | Galerie De Florence, | Et | Du Palais Pitti, | Dessinés par M.Wicar, Peintre, et gravés sous la direction de M.Lacombe, Peintre; | Avec Les Explications, | Par M.Mongez l'ainé, de l'Académie Royale des Inscriptions et Belles-lettres, Garde | des Antiques de Saint Géneviève, etc. etc. | Imprimées sur Papier-vélin superfin de Johannot d'Annonay. | [large coat-of-arms] | A Paris, | Chez Lacombe, Peintre, Editeur de l'Ouvrage, rue de la Harpe, N° 84. | M.DCC.LXXXIX. | [rule] | De Imprimerie De La Galerie De Florence.

7178. -----1789, Vol I tp not seen

7179. -----1819, Vol I, 3rd(?) edit tp

Tableaux, Statues, |...| Dessinés Par Wicar, Peintre, | Et Gravés Sous La Direction De C.L.Masquelier, | Ex-Pensionnaire De L'Academie De France A Rome; | Avec Les Explications, | Par Mongez, Membre De L'Institut De France, Class Des Sciences Et Arts. | [taper rule] | Tome Premier. | [coat-of-arms] | Chez J.P.Aillaud, Libraire-Editeur, Quai Voltaire, N°21. | [orn rule] | De L'Imprimerie De Crapelet. | 1819.

2°: front pl + blank f + ser tp + dedic f(dtd 1789) + pref f + 48 engrav pls, most with a work of art above and one or two engrav gems below; several pls depict only one object of art and no gem; each pl pref by a leaf of captions(r) & descriptions(v) and a blank protective f of a differing, thinner paper. None of the f are numbered and it seems impossible to determine if all pls are present without the "Tableau Des 48 Livraisons," plus a "Supplement" which adds the 49th and 50th livraisons. The table, on a single f, plus a slip for the supplement, is bound-in at the end of Vol 4 in my set. 52.5 x 34.5 cm(20 5/8 x 13 3/4 in). Cut. The paper watermarked "Galerie De Florence."

7180. -----1792, Vol II, 1st edit

Tableaux, Statues, |...| Dessinés par Wicar, peintre, et gravés sous la direction de Masquelier, Graveur; | Avec Les Explications, | Par Mongez, Membre de l'Institut national des Sciences et Arts, | Imprimées sur papier vélin superfin de Johannot d'Annonay. | Cet Ouvrage à obtenue une Medaille D'Or a l'Exposition de l'an X. | Tome Deuxième. | [small vignette] | Paris, | Chez L.J.Masquelier, Directeur de l'Ouvrage, rue de la Harpe, N°117. | M DCC XCII. | [double rule] | De L'Imprimerie De Gillé, Rue Saint-Jean-De- Beauvais.

Title f + 48 pls.

7181. -----1802, vol III, 1st edit

Tableaux, Statues, |...| Tome Troisième. |...| M DCCC II |...

Title f + 48 pls.

7182. -----1807, Vol IV, 1st edit

Tableaux, Statues, |...| Tome Quatrième. |...| M DCCC VII. |...

Titlef + 55 pls + list of 48 livraisons, etc + tip-in slip for livraisons 49-50, and remarks on misnumbered gems.

A large, elaborate work with splendid engravings that represent selections from art collections in Florence, Italy, including paintings, statuary, bas-reliefs, and engraved gems, the last shown enlarged but accompanied by small diagrams that depict actual diameters. Despite the abundance of engraved gems, some that should have attracted the attention of Goodland at least, neither he nor King, nor Furtwängler, among others, take note of this work. However, Vinet, in addition to the above, notes other issues: 2ᵉ édit., ... 1789, 1804, 1814, 4 vol. gr. in-fol., fig,

sur pap. de Chine; -3^{e} edit., ...Féret(1827), 4 vol. in-fol., fig.; 4^{e} édit., ... Firmin Didot, 1852-56, 4 vol. in-fol., fig." and "Les deux premières éditions n'ont été completées qu'en 1821, date de la publication des livr. 49 et 50. Pour la dernière édition, les figures ont été retouchées par Le Maitre, et le tirage en est supérieur a celui de l'édition precédente."

7183. WICHDORFF, HANS HESS VON Geologie der Kurischen Nehrung. *Abhandl Preuss Geol Landesanstalt*, NF, H 77, Berlin, 1919. 8°: [4], 196 p; 33 fig(maps, some fold, photos, x-sects). Pl I with f of explan(not includ in pag); Pl II a fold, part col geol map. 25 x 17.5 cm(9 7/8 x 6 7/8 in). Cropped. JSL.

Geology of the Kurischen Nehrung, a long, narrow peninsula attached at its southern end to Prussia and lying parallel to the Baltic Sea coast of Lithuania. Shallow pits and strand deposits provided abundant amber in modern times while the discovery of artifacts of Stone Age culture, as shown on Plate I, indicate that the peninsula was inhabited in prehistoric times. Wichdorff describes the occurrences of amber, amber-collecting activities, and the trade in amber(p 136-46), with much useful information and production statistics. Brief remarks on worked pieces of amber, dated to the Stone Age, appear on pages 70-1. Some of the information is derived from a series of articles by G Berendt, "Reise über die Kurische Nehrung im Sommer 1866," *Altpreuss Monatschrift*, Bd IV, Königsberg, 1867, 201-17, 297-317, 393-409.

7184. WICKENDEN, JAMES(1921-)

James Wickenden | A Claim | in the Hills | Illustrated By Ralph Thompson | Reinhart & Company, Inc. New York [1956]

16°: vii, [1 blank], 275, [5 blank]p; 16 pen & ink sketches(one is front). Reddish-brown paper over bds, blue-green cloth spine; silver & yellow lett spine. Col dj, resume, vita. 20.3 x 13.6 cm(8 x 5 3/8 in). Cut. $3.95. LC 57-5217. JSL.

Cont: 1/2tp; sketch; tp; publ data; note; tab cont; text tp; 15 chs; 5 blank p.

Experiences of a young adventurer searching for alluvial diamonds in the region where Brazil, Venezuela and British Guiana join, "as told to" Wickenden. As usual in books of this kind by far most space is devoted to adventures, natives and their customs, wildlife, and indeed everything other than the business of diamond mining. Wickenden was a Scottish newspaperman.

7185. -----1956(?), London edit with different title

Beyond | The High | Savannas | by | James Wickenden | With illustrations by | Ralph Thompson | The Adventurers Club | [taper rule] | London [nd]

8°: viii, 291, [1 blank]p; same ill. Blue, cloth-type paper over bds; silver lett spine. Dj(?), not seen. 21.6 x 13.9 cm(8 3/4 x 5 1/2 in). JSL.

The table of contents precedes the preface; there is no text title; set in larger type, else identical.

WIDERHOLD, J H, see TAVERNIER, J B, 1681

7186. WIEDEMANN, EILHARD Über den Wert von Edelsteinen bei den Muslimen. *Der Islam*, Strassburg, 2, 1911, 345-58. Not seen: Ettinghausen, p 190, no 277.

7187. -----1970 Aufsätze zur arabischen Wissenschaftsgeschichte. Hildesheim: Georg Olms Verlag, 1970. Vol I of this work contains a chapter, p 829-80, entitled "Beiträge zur Geschichte der Naturwissenschaften XXX. Zur Mineralogie im Islam," which provides a translation of the mineralogy of Al-Akfani(see AKFĀNĪ), p 835-53, another translation, p 853-59, of an ancient Arabic manual insofar as it gives advice on the buying & selling of gemstones, how quality is assessed, and other useful remarks, with a commentary at the end of the chapter on ruby, spinel, garnet, pearl, emerald, turquoise, coral, onyx, and carnelian. The references from which this information were drawn are furnished at the beginning of the chapter.

WIELAND, GEORGE REBER (1865-1953)

USA paleontologist; BS Penn State Coll 1893; Göttingen U 1894; Penn U 1896-7; Yale U 1899, PhD 1900; specialty fossil & living cycads; proposed establ Fossil Cycad Nat Monument Black Hills, South Dak.

7188. -----1906

American Fossil Cycads | By | G.R.Wieland | [rule] | [logo] | Published By The | Carnegie Institution Of Washington | August, 1906

"Carnegie Institution of Washington Publication No.34." Originally in printed wrap(my copy in cloth); 2 vols but the first is not so designated, possibly under the misapprehension that the entire subject would be completely covered in one volume. See Vol 2 below, separately described, which is considerably later.

8°: VIII, 295, [1]p; 138 fig + [7] more among the pls descriptions; sepia-tinted front pl + 50 photo pls. 28.3 x 22.5 cm(11 1/8 x 8 7/8 in). Cropped? Very thick semi-glossy paper. JSL. LC 6-34020.

Cont: front; tp; publ data; pref; tab cont; text tp; 10 chs; biblio (p 247-56, 219 entries); pls descript; pls; text fig list; index; addenda & corrigenda.

Very large, detailed study of silicified stem & floral parts of ancient cycads from numerous places in the USA with the finest from Western States from which lapidaries have cut specimens and ornamental pieces. Handsomely illustrated and with good information on collecting sites. Numerous references to silicified plant remains in bibliography.

7189. -----1916

American Fossil Cycads | [rule] | Volume II | Taxonomy | [rule] | By | G.R.Wieland | [logo] | Published by the Carnegie Instituition Of Washington | Washington, 1916

"Carnegie Institution... Publication No.34, Vol II." LC 6-34020.

8°: vii, [1 blank], 277, [1 blank]p; 97 text fig; 58 photo pls. JSL.

Cont: tp; publ data; pref; tab cont; text tp; 14 chs; biblio(p 239-48, 427 entries); text fig list; pls descript; pls; index; blank p.

The text paper is poorer quality; pl photos much better however.

7190. -----1934 Fossil cycads with special reference to *Raumeria reichenbachiana* Goeppert sp. of the Zwinger of Dresden. Sep: *Palaeontographica, Beiträge zur Naturgeschichte der Vorzeit*, Bd 79, Abt B, 1934, Stuttgart, 85-130, 30 fig (some in text,

others on pls); Pls IX-XX. JSL. 4°: title f, text, pls, dull yellow print wrap, cover title. 30 x 22.8 cm(12 x 9 in). Cropped. Describes silicified cycads; outstanding photographic plates. LC AC35-1616.

7191. -----1935

The Cerro Cuadrado | Petrified Forest | By G.R.Wieland | Research Associate of Carnegie Institution of Washington | [logo] | Published By Carnegie Institution of Washington | April 1935

"Carnegie Institution... Publication No.449. [Copies of the book first issued April 1935]"

8°: [2 blank], ix, [1 blank], 180 p; Pls 1-33(photos printed recto only on 33 f) + [blank]f. Glossy front tip-in pl; 49 fig(photos, diagrams, maps). Many of the pls with several photos. 30.4 x 22.8 cm(12 x 9 in). Cut. V pale tan paper. JSL. LC 35-8016.

Cont: blank f; front; tp; publ data; pref; tab cont; ill list; text tp; 7 chs; addenda; biblio(p 163-6, 142 entries); index; pls tp; pls descript; pls; blank f.

Writing with color and enthusiasm, Wieland tells about petrified forests in general, the possible ways they came into being, and how he heard about a great forest in Patagonia, Argentina, and discovered it for himself. The text emphasizes descriptions of cones & wood of *Auracaria*, with many photos of sectioned & polished specimens as well as photos of existing *Auricaria* forests. This important work is remarkable for several reasons, not the least being Wieland's descriptions of famous forests elsewhere, eg, Cairo, Egypt, Lake Macquarrie, Australia, Yellowstone Park and region, USA, and the Trinity beds of Texas. There is a large chapter that summarizes what has been speculated about petrified woods and what has been determined about their mineralogical replacement. Scarce.

WIENER, LEO(1862-1939)

B Bialystok, Poland; to USA 1882; taught Slavic languages & lit Harvard U 1896-1930; prof 1911-; publ num works on language, history, etymology. DAB 22, 716-7.

7192. -----1917-1921

Contributions Toward | A History | Of | Arabico-Gothic Culture | [rule] | Volume I[-IV] | By Leo Wiener |...[9 lines of positions held & publs]...| | [logo] | The Neale Publishing Company | 440 Fourth Ave., New York | MCMXVII[-IX,-XX, -XXI]

8°: uniformly bound in maroon cloth; titles & subtitles in gold on spines. 22 x 15.3 cm(8 5/8 x 6 in). Fe & be uncut. JSL. Vols III & IV publ in Philadelphia by Innes & Sons but are uniform.

Vol IV, subtitled "Physiologus Studies," contains several chapters of interest to gemologists. The *Physiologus* is the title to a collection of allegories based on marvelous properties of various natural objects and materials and comes to us from an ancient Greek manuscript. Included are pearls and amber, both treated by Wiener in the present volume. Chs 12-18, p 108-216, treat the philological history of the word "pearl," and its equivalents in Greek and Arabic as noted in various writings, also in the *Physiologus*, the *Natural history* of Pliny, and in Martial's *Epigrams*. The pearl is further discussed in connection with mentions in early Germanic laws. Ch 28, p 322-41, deals with "glaesum," or amber. Wiener was of the opinion that the concept of "pearl" probably was derived from ancient words meaning "in front," then "excellent," "shining." These led ultimately to the coining of the term "margarita." Wiener also claims to have discovered a connection between beryl and pearl, stating that both terms descended from a common root. Among his contemporaries, Wiener was an extremely controversial figure, brilliant but erratic, and excoriating in his rebuttals of criticism, much of which was meritorious. See for example Odell Shepard's *The Unicorn*, 1930, p 282, wherein he complains of Wiener's wild reasoning, stating that "like all of this writer's work, it is characterized by great learning and amazing audacity of conjecture." An excellent example of Wiener's excoriation can be found in his Introduction to the present work.

7193. WIESE, URSULA VON

Ursula Von Wiese | Das Kleine Buch Vom Schmuck | Sanssouci [logo]

The logo is an oval seal reading peripherally "Sanssouci Edition | Verlag Sanssouci" and enclosing a dunce's cap; Zurich, 1961.

Cementb: 76 p; 16 humorous line sketches. Glossy col paper over bds, title on cover & spine; a jewel on back cover. 17 x 11.3 cm(6 3/4 x 4 1/2 in). Cut. USGS Kunz Coll.

Cont: 1/2tp; tp; publ data; tab cont; introd; text; index.

Almost entirely upon the gemstones employed in jewelry and written in popular vein.

7194. WIESELER, FRIEDRICH

Ueber einen bisher nicht bekannten | Onyxcameo | mit einer Replik der Darstellungen | auf dem oberen und dem mittleren Streifen | des grossen Pariser Cameos de la Sainte-Chapelle. | Von | Friedrich Wieseler. | Nebst einer Photographietafel. | Sonderabdruck aus den Nachrichten der K. Gesellschaft | der Wissenschaften zu Göttingen, Jahrg. 1882. | [orn rule] | Göttingen, | Druck der Dieterichschen Univ.-Buchdruckerei | W.Fr.Kaestner.

8°: [1] title-f supplied + p 709-93. Photo pl. 17.8 x 10.7 cm(7 x 4 1/4 in), Cut. USGS Kunz Coll. JSL.

Separate from *Nachrichten K Ges Wiss Georg-Augusts-Univ Göttingen*, 1882, Nr 23, Sitzung 10 Juni. Describes a hitherto unknown cameo that replicates the upper & middle rows of figures of the gigantic cameo, known as "Le Grand Camée," of France, or the "Agate of the Sainte Chapelle," depicting the triumph of Germanicus. At the time of writing the cameo was in the possession of Mr C H Hawkins, Bignor Park, Sussex, England. The excellent photo plate shows a cast of the cameo in full size, 18.4 x 6.1 cm.

7195. WIGAND, JOHANNES, also JOAN Vera historica de succino borvssico. De alce borvssico & herbis in Borussia nascentibus. Item de sale creatvra Dei salvberrima consideratio methodica & theologica per Iohannem VVigandvm D. Qvondam episcopum pomezaniensum. Iam vero primvm in studiosae iuuentutis gratiam in lucem edita. Studio et opera Iohannis Rosini pastoris vvickerstadensis. 12°. Ienae, [MD]XC, ff.(12), 153, (5). [1590] Not seen; from Scudder, *Biblio Fossil Insects*, p 79. BM(FN) Cat gives p [xxii], 153. "Typis Tobiae Steinmanni." Gatterer II, 153. Scudder remarks "In a section: De vermiculis in succino, ff.26-29, he mentions culices, formicae, aranei parui papiliones,"

WIGGLESWORTH, EDWARD(1885-1945)

USA mineralogist, gemologist, museum admin; grad Harvard U 1908 in mineralogy, MA 1909, PhD 1917; assoc with Boston Soc Nat Hist & dir their mus 1919-40; pres GIA 1940-5. Mem C Palache, *Amer Min*, 31, 1946, 179-80, portr; *G & G*, Spring 1945, 201-2.

7196. -----1948

Properties | of | Gem Varieties Of Minerals | By | Edward Wigglesworth, Ph.D., C.G. | A Compilation Of The Data | Of Gemological Authorities | Printed by order of the Board of Governors of the Gemological Institute | of America in memory of its second president, Edward Wigglesworth | Printed in U.S.A. | 1948 | Copyright [Los Angeles: Gemological Inst of Amer]

Loose, punched ff in oblong 2-ring notebook: [66]f, the first with portr, name, vital dates of W. Plain yellow bondpaper sheet separates this f from titlef. Black, leather-grained notebook; black protector panels at each end; gold cover title. 14 x 21.5 cm(5 1/2 x 8 1/2 in). Notebook: 15.4 x 25.2 cm(6 x 10 in). LC 49-20751. JSL.

Cont: portr f; spacer sheet; tp; pref; text.

Compiles important data, all printed recto, versos blank, generally one f per gemstone(organic materials are included). Data supplied: name(s), varietal names & synonyms, chemical formulas, crystal systems, physical & optical properties, diaphaneity, color(s), similar material or imitations, synthetics, speciaI optical phenomena, tables of refractive indexes & specific gravities(authorities cited).

WILBUR, E, see BECK, C W, et al

7197. WILCKE, JOHAN CARL Historien om tourmalin. *Kungliga Svenska Vetenskap Handl*, 1765 & 1766, p 89-108; 1768, p 3-5, 97-119. Not seen.

WILD, GEORG O (1894-1976)

Gemstone merchant Idar-Oberstein, Germany; much traveled, including youthful trips to USA where met G F Kunz & taking evening course in gemology Col U in NYC; sent by Kunz to Brazilian gem mines to investigate & purchase gem rough; interned World War I; establ own business in Idar-Oberstein in 1920; while mostly self-taught in science & gemology, collaborated with R Liesegang(1869-1947) and others to co-author important papers on color in gemstones, among many others(ca 100); in 1936 his lab & investigations taken over by U Frankfurt and Inst of Gemm established; aided in establ of German Gemm Assoc; awarded Faculty Medal, Johann-Wolfgang-Goethe U, Frankfurt. Mem H Bank, *Zs Dt Gemm Ges*, 25, 2, 1976, 114-5.

7198. -----1936

Georg O.Wild | Praktikum | der Edelsteinkunde | Eine Einführung in das Wissen von den Edelsteinen | [logo] | Franckh'sche Verlagshandlung/ Stuttgart [1936]

8°: 133, [4], [1 blank], [1], [1 blank], [4 advert]p; 4 glossy tip-in col pls with tissues; 11 photos on 6 tip-in glossy f; 44 fig. Pale greenish-gray unfin cloth(usually faded to gray); title & rule on cover in blue; blue spine title. Pale gray, thick paper wrap also, with similar lett. 19.4 x 13.1 cm(7 5/8 x 5 1/8 in). Cut. RM 6.00(paper), 8.6O(cloth). I have seen a cloth issue with a cut-out col pl cemented to cover. LC 37-4860. JSL.

Cont: 1/2tp; tp; publ data; fwd; text; tabs; tab cont; advert.

While aimed at the instruction of jewelers, this concise treatise on gems and gemology is written in clear & simple language making it equally useful to the general public. The first part treats the scientific aspects as crystallography, light & its behavior in gems, the basic instruments needed to examine gems, properties(hardness, specific gravity, special optical phenomena). From page 41 appear descriptions of gemstones, from diamond to moldavite, with a chapter on synthetics and their recognition, but nothing at all on organic gemstones. The comments are invaluable because they are based on the long experience of the author with the materials involved. The last part of text is also of considerable value inasmuch as it describes the cutting of gemstones in the gem center of Idar-Oberstein and imparts considerable useful information that lapidaries elsewhere could take heed of. Appended to the text are tables of hardness, refractive index, specific gravity, and a very long table summarizing information about the gemstones previously described in the text. Rev B W Anderson, *The Gemm*, 6, 64, 1936, 90-2, "it contains information he [the reader] will not find elsewhere." W F Foshag, *Amer Min*, 22, 2, 1937, 145; *G & G*, 2, 4, 1936, 75.

7199. WILD, GEORG O, SONDERHEFT DEUTSCHE GEMMOLOGISCHE GESELLSCHAFT. Georg O.Wild zum 22. Januar 1969. *Sonderh 3, Dt Gemm Ges e.V.* Westreich Verlag, Idar-Oberstein, 1969. JSL. 8": 104 p; ill. Print wrap. 23 x 17 cm(9 1/8 x 6 5/8 in). The special publication of the *Zeitschrift* honoring Wild: life & work of by Prof Dr Chudoba; also 7 articles thematically presenting the work and accomplishments of Wild, eg, several articles on color in gemstones, one on pleochroic haloes, and three on precious stones and trade in same in Brazil & Ceylon.

7200. WILD, GEORG O & BIEGEL, KARL H

Georg O.Wild - Karl H.Biegel | Kleiner Wegweiser | Zum Bestimmen Von | Edelsteinen | Mit 20 Abbildungen und 3 Tabellen | [logo] | Franckh'sche Verlagshandlung Stuttgart [1950]

Cementb: 32, [2], [2 advert]p; 20 fig, 3 tabs(on 2 fold pls at end of text), V pale green wrap, cover title; back cover advert. 20.7 x 14.2 cm (8 1/8 x 5 5/8 in). Cut. JSL. LC 37-4860.

Cont: tp; dedic & publ data; tab cont; fwd; introd; text; index; fold tab; advert.

Instructions for testing gems and describing five methods of determining values for specific gravity, hardness, refractive index, double refraction, and dichroism, with remarks on how to proceed, and tables of properties from which identifications can be made. Pertinent illustrations: line drawings and photographs, illustrative of principles, methods, and appearances of phenomena described in the text. Rev *The Gemm*, 19, 232, 1950, 267; *J Gemm*, 3, 1, 1951, 27-8.

7201. -----195-(?), Zutphen Edelstenen en hoe ze te herkennen, voor Nederland bewerkt en uitgebreid door J.M.Visser. Zutphen: Thieme en Cie. Not seen.

WILD, G O & BIEGEL, H, see DAKE, H C, 1951.

WILD, G O, see AUFSCHLUSS, DER

WILD, HERMANN, see OLDENBURGISCHEN INDUSTRIE

WILD, KLAUS EBERHARD

Son of G O Wild above; owner of the family business; strong interest from youth in local history; published numerous articles on same.

7202. -----1959

Mitteilungen | Des Vereins Für Heimatkunde Im Landkreis Birkenfeld | (Sonderheft 2) | Klaus Eberhard Wild | Zur Geschichte der Schmucksteinschleiferei | im Gebiet der oberen Nahe und der Saar | mit 22 Abbildungen und 2 Karten | [rule] | Herausgegeben vom Verein für Heimatkunder im Landkreis Birkenfeld | 1959

Edgestapled: 71, [1 blank]p; 22 fig 1 in text, others as photos on 6 glossy f; map in text + fold map tip-in back cover. Pale blue wrap, blue grinding wheel on cover with black lett. 20.8 x 14.7 cm(8 1/4 x 5 3/4 in). Cut. DM 4.80. JSL.

Cont: 1/2tp; tp; publ data; pref; refs; text; refs(p 69-70, 34 entries); notes on ill & refs; blank p; fold map.

History of the lapidary industry along the upper reaches of the Nahe River and the Saar River. Includes remarks on the trade and the sources of raw materials. Contains an excerpt from Collini's *Journal d'un Voyage*, 1776, which see, concerning C's descriptions of the Idar agate industry and the agate deposits in the nearby hills. The folding map shows locations of cutting establishments and agate deposits in the local region. Thorough, excellent.

7203. -----1963

Die Edelsteinindustrie | in Idar-Oberstein | und ihre Geschichte | Von | Klaus Eberhard Wild, Idar-Oberstein | All Rechte...[2 lines]... beim Verfasser | Druck: Ernst Kessler, Idar-Oberstein 2, Am Markt 1 [1963]

Cover: "Sonderheft Frühjahr 1963 | der Zeitschrift der Deutschen Gesellschaft für Edelsteinkunde E.V. | Idar-Oberstein"

Centerstapled: 52 p; 28 fig(2 maps). Pale gray print wrap. 21.1 x 15 cm(8 1/4 x 6 in). Cut. JSL.

History of the local lapidary industry from Roman times to present. Covers all phases of the industry with remarks on the beginnings and developments in each. Excellent, authoritative. Rev *J Gemm*, 9, 4, 1963, 144.

7204. -----1965

Klaus Eberhard Wild | Das ist Idar-Oberstein | Westreich Verlag - Idar-Oberstein - 1965

Edgestapled: 84 p; front photo pl; 37 text photos; sketch map. Stiff, white paper wrap, topo map in pale gray on cover; back cover Oberstein Castle. 23 x 17 cm(9 1/8 x 6 3/4 in). Cut. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; quot; 4 sects; names index. Section 1 political history of the Idar-Oberstein community, 2 economic history of the gemstone industry and allied trades; 3 100-years survey of development of population & culture in the twin cities of Idar and Oberstein; 4 notes, biblio, p 77-9, 66 entries. Logically presented, clearly written. The illustrations are of high quality.

WILDE, JACOB DE (1615-1696)

Famed numismatist & collector of Holland; wrote works on coins, medals, gems, also a history of Holland.

7205. -----1703

Gemmae Selectae | Antiquae | E Museo | Jacobi De Wilde, | Sive L.Tabulae | Diis Deabusque Gentilium Ornatae, | Per Possessorem Conjecturis, | Veterumque Poetarum Car- | Minibus Illustratae. | [engrav vignette, Hercules] | Sumptibus Auctoris | Amstelodami. | MDCCIII. [Amsterdam, 1703]

4°: [8], 177, [7]p; *^{4}, A-Z^4. Engrav 1/2tp signed Had.[Adrian] Schoonebeek; engrav portr of Wilde, signed P.V.D.Berge; 50 bound-in engrav pls; orn init. 22.8 x 17.9 cm(9 x 7 in). Cut. USGS 34-524, Kunz Coll; JSL.

Cont; engrav 1/2tp; tp; engrav portr; pref; 3 lauds; text & pls inserted; Horace & Martial quots; index; index of authors & errata.

This catalog was prepared by the author to publicize his extensive collection of engraved gems which includes an exceptional number of abraxas pieces. For most examples, each gem plate depicts four gems surrounding a central figure taken from classical mythology, with the gems framed in wreaths in various patterns of foliage. A space is left below for the name of the gemstone and collection number. P J Mariette, *Traité des Pierres gravées*, 1, 308-9, comments unfavorably on the quality of engraving but A Furtwängler, *Die antiken Gemmen*, only notes that among the gems are "apparently many modern gems and those few that are genuine appear to be insignificant examples from the imperial Roman period." Goodland, *Biblio of Sex Rites*, 649, notes several phallic gems. See also comments of the Zazoffs, *Gemmensammler*, 1983, p 45-6. A rare work.

WILDY, R I, see SCOTT, D C, et al

7206. WILHEIM, GOTTLIEB TOBIAS

Unterhaltungen | aus der Naturgeschichte. | [vignette] | Des Mineralreichs | [rule] | I^{ter} Band. | [rule] | Augsburg | bey Martin Engelbrecht 1824.

Entire title engraved & enclosed in double-rule frame; the vignette is a stone tablet recessed in a rock and reading "Hier Ruhet Abrah.Gottlob Werner."

Vol 1: 8°: tip-in tf; xvi, 786 p; f + A-Sss^4, Ttt-Oooo^8; 64 engrav & hand col(except for 7) pls. 17.4 x 10.6 cm(6 7/8 x 4 1/4 in), Cut. JSL. USGS Cat, 25, 413.

Cont: tf; pref; corrects; tab cont; 8 + 7 sects. Many misbound pls. Vol 2 not seen. USGS Cat gives 2 vols, 138 pls(part col), 17 cm.

7207. -----1825, 1828, Vienna

Unterhaltungen | aus der | Naturgeschichte | von | Gottlieb Tobias Wilhelm. | [same vignette] | Des Mineralreichs | [double rule] | I^{ter} Band. | [rule] | Wien, | gedruckt bey Anton Pichler | 1825.

Full engrav tp's, enclosed in engrav double-rule frames, signed "Weinrauch sc."

Vol 1: 8°: tf + xvi, 816 p; f + A-Eee^8; 64 engrav pls(hand-col save for 7); each is tip-in along outer edge of bound-in blank f, and fold inward. 18.4 x 11.5 cm(7 1/4 x 4 1/2 in). Cut. JSL.

Vol 2: 8°: tf + xxx, 948 p; 68 hand-col engrav pls as above. The engrav title vignette now depicts a bust whose plinth reads "Gottl.Rob.Wilhelm," date 1828.

Cont: 1: tp; pref; errata; tab cont; text in two parts(8 + 7 sects); pls. 2: tp; fwd; tab cont; 30 sects; concl; pls.

A charming, if gloriously disorganized work of almost encyclopedic proportions on the Mineral Kingdom but by no means confined to that subject since it delves into geology, mining, mountains, caves, volcanoes, geysers and hot springs, and also paleontology. The first volume introduces minerals, dwelling at

length upon outward appearances and aggregate growths in the Wernerian manner. It includes an entire section on mineral colors in which may be found no less than 56 hand-colored strips on each of four engraved plates for a total of 224 hues! This was an early attempt to solve the problem of matching color terms to actual samples of color corresponding to those terms. The first volume also contains sections on crystallography, physical & optical properties, geology, mining, and other related subjects. It is here that many pieces of apparatus and equipment used in testing are described and quaintly depicted upon the plates. The second volume is almost entirely descriptive, lumping together in broad classes all manner of minerals, stones, rocks, and organic materials according to the imperfect classifications then prevailing. There is much on "silica family" gemstones, p 108-250, in which appear diamond, exhaustively treated in all its aspects of mineralogy as well as economics, including cutting and famous diamonds, then chrysoberyl, sapphire, ruby, water sapphire(iolite), spinel, zircon, garnet, chrysolite, topaz, emerald, and beryl. Several more sections deal with the "unedle" or non-precious stones, p 251-447, ie, the many varieties of crystalline and chalcedonic quartzes, opal, more spinels, star sapphire, idocrase, tourmaline, bronzite, obsidian, lapis lazuli, feldspar, jade, and others. Turquoise, classed as a compact variety of wavellite, appears in a later section as do meerschaum, serpentine, and amber. The last sections of the second volume are devoted to metallic minerals.

Like others in the series of "Unterhaltungen" books edited by Wilhelm, the present example is noted more for its quaint hand-colored plates than for any important subject matter. In general, all plates are simply designed, in fact almost childish in their draftsmanship, but this in no small measure adds to their charm. The plates of mineral testing apparatus in the first volume are particularly noteworthy as are several scenes depicting geological manifestations. The second volume contains several most attractive plates of mineral collectors in the field, dressed in fashionable costumes more appropriate to the salon than to the field, but the actual collecting is being done by a manservant. A fine plate shows several connoisseurs examining the contents of a mineral cabinet. Many plates of crystals, minerals, and ores in the second volume are readily recognizable copies of the color plates in C C Schmiedel's *Fossilium Metalla*, 1753. This volume also contains pictures of cut gems, numerous types of agates and jaspers, and other ornamental gemstones. A rare work.

7208. WILKENS, MANJA

Manja Wilkens | Das Schmuckbrevier | Broschek Verlag · Hamburg [1960]

8°: 143, [1 blank]p; 20 b&w + 5 col photos on 10 tip-in glossy f. Pale blue unfin cloth, gold cover jewel; gold lett spine. Black dj, col pendant jewel on cover with red lett; resume, other bk of publ. Dj covered with translucent paper. 19 x 14.4 cm(7 1/2 x 5 5/8 in). Cut. DM 12.80. JSL.

Cont: 1/2tp; tp; publ data; tab cont; introd; text; biblio(p 133-4, 35 entries); ill list; ill captions; blank p.

A series of essays forming an appreciation of jewels, gemstones, and personal ornaments throughout recorded history, among which are essays on the formation and occurrence of gemstones, synthetic and imitation gems, jade and its special esteem in China, imperial treasures, famous diamonds, pearl, and the gemstone trade(p 10-93), There is also a long chapter on curious lore and amulets as applicable to gemstones, also a list of birthstones, and another list of gemstones and the supernatural powers attributed to them. The use of small type makes this physically diminutive book a large one in terms of substance.

7209. WILKES, W N

Minerals | of | Arkansas | [orn] | Published by | State Bureau of Mines, Manufactures | and Agriculture | W.N.Wilkes, Commissioner [1925]

Edgestapled: 127 p; 25 photos on 6 bound-in f. Pale gray wrap, cover title; logo back cover. 19.5 x 13.4 cm(7 5/8 x 5 1/4 in). Cut. JSL.

Lists minerals in alphabetical order with composition, general remarks, where found. Among those classified as "gemstones" are aegerite, agate, agalmatolite, almandite, aventurine quartz, cinnamon stone, diamond, elaeolite, garnet, jasper, malachite, marble, onyx marble, opal, pearl, pyrophyllite, quartz, serpentine, smoky quartz and sunstone. It is obvious that only several can be so classified. The text is written at a juvenile level and is not free of errors. While the author is not specifically identified, the preface signed by Wilkes acknowledges assistance in preparation; hence it is likely that he is the author.

WILKINS, J H, see HARPENDING, A

7210. WILLARD, GERALD WARNER(1901-) Raw quartz, its imperfections and inspection. *Bell Telephone Tech J*, 22, 3, Oct 1943, 338-61, 15 ill. The inspection of rough quartz is for the purpose of insuring that flaws disqualifying them for use in making piezoelectric wafers are absent or localizable, and the notes herein impart much useful information on the types of inclusions, their effects if permitted to stay in wafers, and coloration, with gemologically interesting discussions of color zoning, removal of color, twinning, inclusions, methods of inspection(immersion technique & polarized light), axial figures, etc.

WILLEMS, J DANIEL(1888-1971)

USA medical doctor; practised in Chicago; in late years taught himself faceting and lapidary work; established and operated an antiquarian book business up to 1970, selling same to Peri Lithon Books, San Diego; specialty gemology.

7211. -----1948

Gem Cutting | By J.Daniel Willems | [orn] | The Manual Arts Press · Peoria Illinois [1948]

8°: 224 p; tip-in col front pl; 85 fig. Dull red cloth, green lett on cover & spine; col dj, cover photos, back cover vita; resume on flap. 22.2 x 15.3 cm(8 3/4 x 6 in). Cut. $4.00. LC 48-2792. USGS Libr. JSL.

Cont: front; tp; publ data; dedic; fwd; pref; tab cont; 24 chs; biblio (p 216-8, 56 entries); index.

A textbook for the beginning gem cutter in which most space is devoted to making cabochon and faceted gems, and with brief, but generally useless, explanations of other techniques as sphere cutting, bead making, and diamond cutting. Standard instructions are given for sawing, grinding, sanding, polishing and dopping, with emphasis on home-made machinery and equipment. Following are discussions of the preparation of preforms, dopping, grinding, and polishing of faceted gems. The faceting device used by Willems is his own invention and consists of a handpiece which is essentially a metal dop-stick, with calibrations, and a fishtail appendage to insert into a jamb-peg.

Contemporary reviews generally praised the clarity & simplicity of explanation but criticized the failure to adequately describe alternative faceting devices and certain inaccuracies in gemological information. Rev *The Gemm* 17, 207, 1948, 273-5.

7112. -----1952, 2nd edit but called "Second Printing"

Gem Cutting | By J.Daniel Willems | [logo] | Chas. A.Bennett Co., Inc. Publishers | Peoria, Illinois [1952]

8°; 224 p; 85 fig; 38 photos on 8 bound-in f betw p 96-7 and 12 photos on 4 bound-in f betw p 144-5. Same covers, dj, p size. $4.00. LC 52-13981. USGS Libr. JSL. New copyright date omitted but later corrected by stamping date in purple ink on p[2]. JSL.

Only minor changes; color plate omitted; many additional photos, some with extensive captions added. Rev *The Gemm*, 22, 261, 1953, 70-1.

7213. WILLEMSE, A

De Edelsteenen | [in single-rule box:] Herkenning | Beoordeeling | En | Waarschatting | Door | Eenvoudige | Middelen | Voor | Juweliers | En Liefhebbers | Door D^{R} A.Willemse [close box] | Drukkerij Constant Van Hoof | Eeckeren [rule] 1935 [to left: thick black vert rule; to right of publ name a large black dot]

8°: 112 (first f blank), [1], [2 advert], [1 blank]p; 14 fig. Pale brownish-gray thick wrap, cover & spine titles. 24.4 x 16.1 cm(9 5/8 x 6 1/4 in). Cut. JSL.

Cont: blank f; tp; fwd; text; index; biblio(p 113, 28 entries); advert; blank p.

Popular work in Flemish on gemstones: discrimination, evaluation, use of simple instruments & techniques in identification. The text is in two parts, the first treating general principles, and more specifically the properties of gemstones that are amenable to identification, ie, hardness, specific gravity, refractive index, dichroism, inclusions(line drawings of types), assembled stones, electrical properties, luster, optical phenomena, and with remarks on cutting styles. The second part is descriptive, with the gemstones arranged according to color and with features and properties. This part also contains sections on pearls, synthetic emerald, orange-colored stones, and certain white stones. The text ends with lists of gemstone varieties now placed under their correct mineral names. The bibliography is replete with errors. Poorly-organized but nevertheless containing much useful information. Rev *G & G*, 2, 4, 1936, 75.

7214. WILLETTS, WILLIAM

Chinese Art | By | William Willetts | [orn] | Volume One [-Two] | George Braziller, Inc. | New York | 1958

16°: [2 blank], xxxiv, [2], 391, [3 blank]p; 57 photos on 16 bound-in f(not includ in pag); fig 1-62, maps 1-6, tabs 1-4. Vol Two: vi p + p393- 802; 47 photos on 16 bound-in f(not includ in pag); fig 63-110, map 7, tabs 5-6 + fold map at end. Black unfin cloth, Chinese character in gold on covers, gold lett & rules on spines. 18 x 11.1 cm(7 1/8 x 4 3/8 in). Cut. Te stained very pale orange. LC 58-12349. In cardbd slipcase, with title label pasted on one side, $7.50. JSL.

Cont: vol One: blank f; 1/2tp; tp in Chinese; tp; publ data; dedic; tab cont; pls list; ill list; fwd; text tp; 5 chs; 3 blank p. Vol Two: 1/2tp; tp; publ data; tab cont; chs 6-8; Append A(dynasties); Append B (biblio, p 756-7, 57 periodicals); subj index; names index. fold map.

An esteemed near-encyclopedic work covering all of Chinese art and much larger in content than physical size suggests due to use of small type. In addition to usual discussions of history, stylistic features, artistic merits, cultural significances, etc, the work is remarkable for its inclusion of much technical information on all the arts, with discussions of the nature, provenance, and preparation of the materials employed in the manufacture of the various specimens. The first chapter is general and discusses the geography of China and early civilizations, followed by chapters on jades, and others on bronzes, lacquer and silks, sculpture, ceramics, painting and calligraphy, and architecture. The chapter on jade, p 53-107, is excellent and frequently cited in later works on jade. The development of jade carving is traced from the Neolithic period into the present, and covers nature and sources of jades, its lapidary treatment, employment of symbolism, special types of carvings and their meanings, ritual jades, and purely decorative pieces of carved jade.

7215. -----1958, Penguin Books edit, Harmondsworth, England. Not seen; Yang 2006.

7216. -----1965

Foundations Of Chinese Art | from Neolithic pottery to modern architecture | 322 illustrations in colour and black and white | 91 maps and line drawings | William Willetts | New York · Toronto · London McGraw-Hill Book Company [title spread over two pages] [1965]

4°: 456 p; 4 sketch maps, 4 tab; 87 text fig(many in margins); 58 col photo on 20 glossy f bound-in; ca 255 b&w photos on 64 glossy f bound-in. 26.8 x 21.8 cm(10 1/2 x 8 5/8 in). Cropped. LC 64-66127. Rebound copy.

Cont:1/2tp; tps; publ data; tab cont; fwd; dedic; introd; 8 chs; ps; notes; biblio(p 437-41, ca 310 entries(by ch), for jades 23 entries); chrono tab; list(of tabs, maps, ills); ackn; index.

P 9: "This book is a revised, abridged, and drastically rewritten version of my original *Chinese Art*." Ch 2, p 41-60, treats jades and is illustrated with 8 figures and 6 excellent color photographs along with another 28 black & white photographs, all of archaic jades. Yang 2007.

7217. WILLHAMMER, JOHN(1890-1976)

Price $1 | Rock Polishing | for | Everyone | by | John Willhammer | Published by | John Willhammer · Gary, Indiana [1960]

Centerstapled: 32 p; 1 photo. Black & green thick glossy wrap, with Petoskey coral ill, white & black lett, photo of author, vita. 15.2 x 11.4 cm(6 x 4 1/2 in). Cut. JSL.

Elementary cabochon-making instructions with a section on the use of velvet cloth for imparting brilliant polishes, and with brief instructions on the lapidary treatment of the Petoskey, Michigan calcified coral rock. The author was a professional engineer; obit, *Lap J*, 30, 7, 1976, 1694.

7218. -----1964, rev 2nd printing Position of text photo changed; another photo added; text now 35 p + 1 blank p, otherwise identical. JSL.

7219. WILLIAM GOLDBERG DIAMOND CORPORATION

The Story of the | "Premier Rose." [New York, 1980]

Centerstapled oblong: 34 p; 28 col photos, 1 part-tinted diagr. Thick, plasticized blue wrap; title in white, raised lett on front cover; address back cover. The front cover includ in pag. 10.5 x 15.3 cm(4 1/8 x 6 in). Cut. JSL.

Tastefully-designed, quality brochure, and well-written essay on the discovery of the rough in the Premier Mine in South Africa, its sale, and subsequent cutting into three stones: 2.11 cts(rd brilliant), 31.48 cts(pear), and the Premier Rose diamond of 137.03 cts of pear-shape, flawless, and finest color(colorless). The irregular rough, showing no traces of crystal faces, originally weighed 183.29 cts.

7220. WILLIAMS, ARCHIBALD

The Romance | of | Mining | Containing Interesting Descriptions of the | Methods of Mining for Minerals in | all Parts of the World | By | Archibald Williams |...[3 lines of other bks]...| With 24 Illustrations | London | C.Arthur Pearson, Ltd. | 1905

8°: 401, [1]p but pag begins at p 7, one f not supplied, hence the first gathering contains only 7 f; tip-in front glossy photo pl; 23 other glossy pls tip-ins. Red cloth, miner drilling on cover with gold lett & decor in white-ruled frames; similar spine lett & decor; plain back cover. Aeg. Base of spine printed "Pearson;" in USA edit below this is "J.B.Lippincott C°." 19.5 x 12.7 cm(7 5/8 x 5 in). JSL. LC 5-40037.

Cont: 1/2tp; other bks in series; front; tp; author note; tab cont; ill list; 25 chs.

Chs 8, p 123-53, and 12, 358-66, treat respectively diamond mining and the ruby mines of Burma. The first is a general description while the second appears to be based on information supplied by Burma Ruby Mines, Ltd, which is acknowledged in the author's note. Very attractive binding, designed to catch the attention of the juvenile, and with matching simplified text.

7221. -----1905, Philadelphia: J.B.Lippincott Co.; base of spine bears that name; the gold heightening of cover design is absent; te not gilt. The title adds the name of Lippincott after the English publisher. LC 5-40037 gives "2 p.l., 7-401, [1]p. 24 pl.(incl.front.) 20 cm."

7222. -----1915, reprint, with new publisher

The Romance of | Mining | Containing Interesting Descriptions Of The | Methods Of Mining For Minerals In | All Parts Of The World | By | Archibald Williams, B.A.(Oxon.) |...[4 lines of other bks]...| With Twenty-Four Illustrations | London | Seeley, Service & Co. Limited | 38 Great Russell Street | 1915

8°: 401, [1]p + [14]p advert sect; same ill. Dk gray-blue cloth, ornately decorated, gold hydraulicing scene on cover in gold; white & red scrolls, winged horses, etc, lett, and similar decor on spine. Plain back cover. 19.6 x 13 cm(7 3/4 x 5 1/8 in). Cut. 5 s. Paper browning, brittle. JSL.

First leaf also adverts; 1/2tp & tp reset. Cover title now "The Romance Of Modern Mining," the word "modern" having been omitted in the first edition.

WILLIAMS, ALPHEUS FULLER(1874-1953)

S Afr mining eng, industrialist; b Oakland, Calif, the son of G F Williams(see below); Cornell U, BS Min Eng U Calif 1898; followed father to S Afr in 1906, succeeded him as gen manager De Beers Consol Mines, serving 27 yrs; after disassociation in 1931, formed own structural steel firm.

7223. -----1930 Diamond-bearing alluvial gravels of the Union Of South Africa. *Proc Third(Triennial) Empire Mining and Metallurgical Congress*, held in S Afr, Mar 24-May 9, 1930, Pt 3, paper & discussions, S Afr Mining, ex Witwatersrand, Johannesburg, p 21-196, 37 photos, 5 pls(maps & diagrs), many tabs. JSL.

Comprehensive study of occurrences of alluvial diamond, with notes on first discoveries as taken from early accounts, excerpts from a considerable number of previous papers bearing on the origin of these diamonds, descriptions of drainages, weathering & transport of eroded materials, coastal alluvial deposits, elevated terrace gravels, and descriptions of important deposits then known with remarks on their geology/mineralogy. Most space devoted to the coastal deposits. The appendix, 187-9, lists several dozen large alluvial diamonds that were found since 1872 with weights, names, & sources. A most valuable contribution which clearly recognizes the potential of the diamondiferous alluvials of the coastline.

7224. -----1932

The Genesis Of | The Diamond | By | Alpheus F.Williams, B.Sc. | General Manager Of De Beers Consolidated Mines, Limited | Vol.I[-II]. [logo] | 1932 | Ernest Benn Limited | London: Bouverie House, E.C.4

8°: Vol I: xv, [1 blank], 352, vi, [2 blank]p; 89 tip-in glossy photo pls(11 col, one with tissue); 32 unnumb fig(mainly mine sects); many tabs. Blue, unfin cloth, gold titles cover & spine, beveled bd edges. 24.8 x 18.2 cm(9 3/4 x 7 1/8 in). Cut. LC 32-25697. USGS Libr; JSL

Cont: 1/2tp; tp; publ data; pref; tab cont; col pls list; b&w pls list; 11 chs; index; blank p.

Vol II: xii, [1]p + p354-636 + ivp; 132 tip-in glossy pls (20 col, 1 col pl with captioned tissue); 32 unnumb fig(5 maps, one fold).

Cont: 1/2tp; tp; publ data; tab cont; col pls list; b&w pls list; text tp; chs 12-18; index.

A truly monumental work of increasing scientific importance, not so much for its information on diamond and its mining as for its detailed studies of the petrology & mineralogy of kimberlitic pipe-fillings. Such treatment of originally deep-seated mantle-derived rocks was well ahead of its time in providing clues as to the nature of the mantle and the formation of the crust in general. The significance of Williams' studies escaped even himself, and certainly most others as evidenced in the niggardly review accorded the work by E H Kraus, *Amer Min*, 18, 4, 1933, 176 who saw it as merely "supplementing and bringing up-to-date the monumental and classic work of his father." Because of the greatly increased interest in mantle problems and plate tectonics, the work now appears to be one of those inadvertently fortunate amassments of accurate data which find applications at a later time. The lukewarm reception accorded the book resulted in issue of relatively few copies and the book is now difficult to find. It is far from a "popular" presentation such as might be said about his father's general work on the diamond mines of South Africa despite the remark of Kraus noted above, and is most useful to the petrologist and geologist

rather than to the gemologist although it does contain a great deal of interest to the latter as well.

Volume I opens with a short chapter on modern mining practise at Kimberley and then describes the geological relationships of the intrusive kimberlites to host rocks and possible origins with details on the kimberlites themselves. Practically all of this volume is devoted to petrography. The second volume continues similar studies with emphasis upon the inclusions in kimberlites, but now with much space devoted to the diamond itself, taking up such matters as the characteristics of diamonds from various mines, speculations as to their genesis, inclusions in diamond, crystallography & X-ray analyses, physical properties, chemical composition, and growth phenomena. The final chapter treats diamondiferous alluvial deposits of South Africa and the diamonds found therein. There is a long table of diamonds that weighed over 100 carats on p 619-36; it is mostly a listing of crystals from the Kimberley district although some large Brazilian stones are included in an appended list. As may be expected from a largely petrological work, many of the color plates depict kimberlite thin-sections with careful descriptions of the minerals therein, but other plates are of more general interest, one showing the now-famous collection of colored diamond crystals formed by the author during his tenure in De Beers. From the gemologist's standpoint, the work is deemed most important for its studies on inclusions in diamond. Extended rev by A T J Dollar, *The Gemmol*, 2, 16, 1932, 111-5; 18, 1933, 181-83; 19, 205-7; 21, 268-72; 22, 305-10.

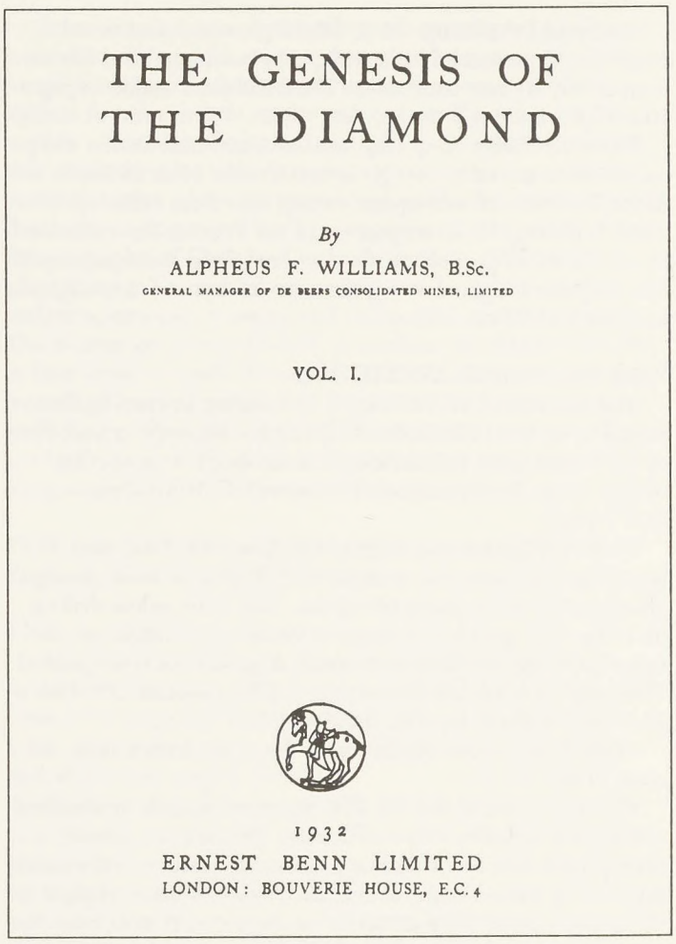
7225. -----1948

Some Dreams Come True | Being A Sheaf Of Stories Lead- | Ing Up To The Discovery Of | Copper, Diamonds And Gold In | Southern Africa, And Of The | Pioneers Who Took Part In | The Excitement Of Those Early | Days | By | Alpheus F.Williams, | Kt.St.J., Min.Eng., B.Sc. | Author of The "Genesis of the Diamond." | Howard.B.Timmins | 58, Long Street | Cape Town [last 3 lines included in logo] [1948]

8°: [14], 590 p; front portr photo of author; ca 385 fig(photos, sketches, documents, etc); 6 tip-in glossy col pls. Pale blue or maroon buckram(by far the greatest number are bound in blue cloth), gilt spine title. Col dj, showing a lively mining scene in the alluvial diggings; flap resume, price. 23.3 x 15.3 cm(9 1/8 x 6 in). Cut. 45/-. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; poem; tab cont; 30 chs; postscript; 3 appends; index.

An extremely valuable and diverse collection of essays and anecdotes about mining and mining men in South Africa with by far most space devoted to the diamond, its mining, diamond magnates, and the industry. As the son of Gardner F Williams, who was General Manager, De Beers, he was in a unique position to acquire the information which appears herein. Among the very useful sections are thumbnail biographies of eminent persons connected with the diamond industry which information may be difficult to obtain from ordinary biographical sources. Among other topics are accounts of early explorations, politicians and politics, discovery of diamond, diamond mining in Griqualand West, the "dry" or kimberlite pipe mines, diamond buying, crime and politics in the fields, a biography of the author's father, also a large one of Cecil J Rhodes, illicit diamond buying, the history of South West Africa and its diamond industry, and near the end of the book chapters on gold and gold mining. Of the six color plates, one shows the author's


THE GENESIS OF
THE DIAMOND

By

ALPHEUS F. WILLIAMS, B.Sc.

GENERAL MANAGER OF DE BEERS CONSOLIDATED MINES, LIMITED

VOL. I.

1932

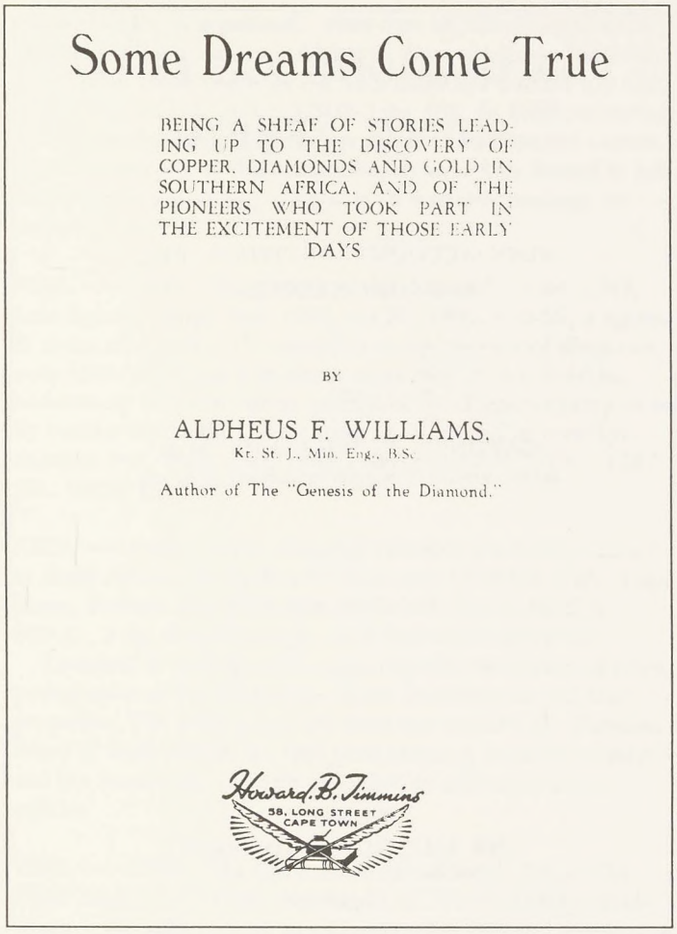
ERNEST BENN LIMITED

LONDON: BOUVERIE HOUSE, E.C. 4

7224. Massive study, in two large volumes, of the rocks hosting the diamond and the latter's formation

collection of colored diamond crystals (taken from his *The Genesis of the Diamond*), another of diamond in kimberlite matrix also from this book, and the remainder of plates being fine color reproductions of early paintings of scenes in the river diggings, beginning mining at Kimberley, etc. Many of the text illustrations were taken from his father's *The Diamond Mines of South Africa*, but others are from contemporary sources and taken together provide a rich visual record of persons, places, and authors, in the days when the diamond industry was rapidly enlarging. It is almost impossible to fully describe the contents of this work but whatever is written about the diamond industry in South Africa, especially in regard to its human aspects, no future author can afford to neglect its study.

7226. WILLIAMS, ALPHEUS FULLER & HARBOTTLE, JOHN Present day practice of diamond mining, including recovery. *Proc Third(triennial) Empire Mining and Metallurgical Congress*, held in S Afr Mar 24-May 9, 1930, pt 3, papers and discussions, S Afr mining, ex Witwatersrand, Johannesburg, p 1-20, 6 sketches & diagrs(3 fold), 4 photos. JSL. Succinct descriptions.


Some Dreams Come True

BEING A SHEAF OF STORIES LEADING UP TO THE DISCOVERY OF COPPER, DIAMONDS AND GOLD IN SOUTHERN AFRICA, AND OF THE PIONEERS WHO TOOK PART IN THE EXCITEMENT OF THOSE EARLY DAYS

BY

ALPHEUS F. WILLIAMS.
Kr. St. J., Min. Eng., B.Sc.

Author of The "Genesis of the Diamond."

Howard B. Timmins
38, LONG STREET
CAPE TOWN

7225. Splendid book of anecdotes and reminiscences of a lifetime spent in the mining fields of South Africa by the author

7227 WILLIAMS, A F Diamond, its history, properties and origin. *North British Review*, Edinburgh: W.P.Kennedy, London: Hamilton Adams & Co., 1852-53, 186-234. Not seen.

WILLIAMS, A M, see BAZHOV, P P

7228. WILLIAMS, BASIL(1867-)

Makers Of The Nineteenth Century | Edited by Basil Williams | [rule] | Cecil Rhodes | By | Basil Williams | London | Constable And Company Ltd. | 1921

8°: xi, [1 blank], 353, [3 blank]p; glossy photo front pl tip-in with tissue; col fold map bound-in at p 342. Scarlet cloth, blind frames on covers; spine lett & rules. 22.3 x 14.6 cm(8 7/8 x 5 3/4 in). Uncut, untrimmed. JSL.

Cont: 1/2tp; other series bks; front; tp; dedic; pref; tab cont; ill list; 18 chs; biblio(p 331-7, 33 bks); chrono tab; map; index; 3 blank p.

Esteemed biography because of sources which include a number of interviews with informed and influential persons who were still alive at the time. The greatest emphasis is laid upon Rhodes' later career when he was at the height of his political power. Diamond historians will find pertinent information in Ch 3, 15-24 on early history of the diamond fields of South Africa, Ch 4, 25-34, in part on the rise of Rhodes as a diamond magnate, and Ch 9, 91-115 wherein Rhodes' successfully campaigns to consolidate the claims upon the diamond mines. Reprints 1921, 1926.

7229. -----1921, New York

Cecil Rhodes | By | Basil WillIams | [logo] | New York | Henry Holt & Company | 1921

8°: xi, [1 blank], 353, [3 blank]p; same ill. Black cloth, blind, plain & orn ruled frames on cover enclosing blind title & logo; gold rules & spine title. 21.3 x 13.6 cm(8 3/8 x 5 3/8 in). Cut. LC 23-26518; USGS Libr. JSL.

7230. -----1938, London, new edit

Basil Williams | [double rule] | London | [double rule] | Constable and Company [1938]

8°: xi, [1 blank], 353, [3 blank]p; glossy front pl as before sans tissue; same map. Pale blue-green cloth over thin flexible bds; gold spine title. 21.8 x 13.9 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Despite statements on p vii claiming this to be a new edition, it contains so few changes of a minor character that it more properly should be called a revised or corrected printing. In the preface, Williams notes the imminent appearance of a German edition which I have not seen.

WILLIAMS, B A, see GILES, C H

7231. WILLIAMS, E Diamond harvest of the Namib surf. *Optima*, 27, 4, p 84-105. Not seen.

WILLIAMS, GARDNER FRED(1842-1922)

USA mining eng; b Saginaw, Mich; grad U Calif 1865; attend Freiberg Mining Acad, Saxony; LLD U Calif 1910, PhD (Eng) U Mich 1917; 2 yrs in US Mint, San Francisco as asst assayer; worked & developed mines in Western USA; placed in charge gold mines Northern Transvaal 1884-5; apptd gen mgr De Beers Cons Mines Ltd 1887; after 1905 returned to USA; d San Francisco. Obit *Trans AIME*, 68, 1923, 1163-4, portr; biogr by son in A F Williams' *Some Dreams Come True*, see above; DAB, 20, 261-2; Pogg 6, 2890-1.

7232. -----1887 The diamond mines of South Africa. *Trans AIME*, 15, 1886(1887), 392-417.

7233. -----1902

The Diamond Mines Of | South Africa | Some Account Of Their Rise | And Development | By | Gardner F.Williams, M.A. | General Manager Of De Beers Consolidated Mines, Ltd. | Illustrated | New York | The Macmillan Company | London: Macmillan & Co., Ltd. | 1902 | All rights reserved

8°: xviii, [1], [1 blank], 681, [3 blank]p; photograv portr pl of author, tissue, front(brownish-tinted); 28 photogrv on 27 pls, each with tissue(captioned) (3 pls in col); 491 figs(sketches & photos); 12 maps(3 fold). Green moire silk(almost inevitably faded to pale purplish-brown!); elaborate gold cover panel(title & floral orns), similar on spine. Pale green dj with dk green lett. Cdbd slipcase. 25.2 x 17 cm(10 x 6 3/4 in). Teg, others untrimmed. $10.00, or £ 2-2s. LC 2-25920. USGS Libr. JSL.

Also in large paper edition limited to 100 copies as stated on p [iv]; same text but with grav pls now printed within stamped recesses on very thick pale tan paper. Green moire silk covering spine & corners; greenish yellow silk covers the remaining

surfaces, with similar gold lett & orn. Similar dj. Blue-green-marbled endp; inner hinges of green cloth.

Cont: 1/2tp; logo; front; tp; publ data; tab cont; ill lists; text tp; 19 chs text + 5 chs appends; index tp; index; 3 blank p.

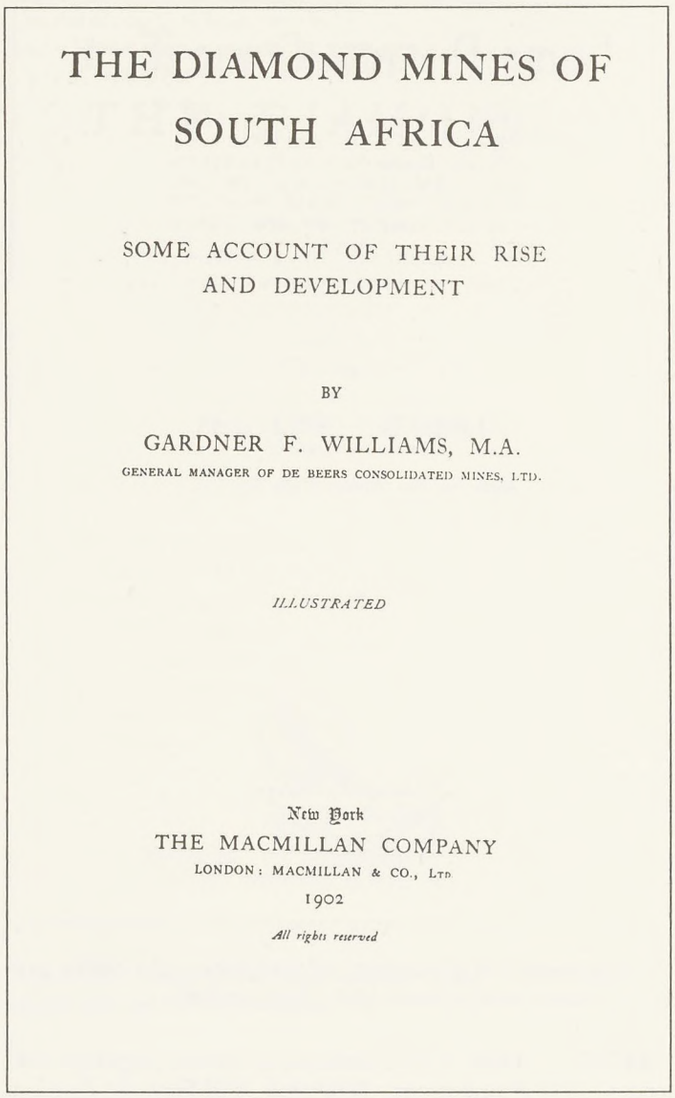
This work, and its second edition below, remains tke most important historical treatise on the diamond mines of South Africa. Its excellence is not difficult to understand when it is considered that the position of the author enabled him to draw upon resources that perhaps would not have been available to another author. However, in a review in the *Mineralogical Magazine*; London, 13, 1903, 386-7, he is criticized for the inadequacy of and certain inaccuracies in the mineralogical data, and the failure to describe diamond mines and deposits other than those that were under the control of the De Beers organisation. Indeed, as one peruses this large work the impression is gained that it is a work primarily of persons, places, and events, but not of the diamond and its environment. There is no separate bibliography but numerous references appear as footnotes.

In general, Williams presents the earliest knowledge of the diamond, a description of fabled "Ophir," or South Africa, followed by a recital of the events that led to the discovery and exploitation of the mines, the steps by which the deposits were delineated and mined, commerce in diamond, and the life and occupations in the diamond camps. Several chapters are devoted to mining methods, equipment, personnel problems, use and problems of native labor, and housing for both blacks and whites. The final chapters treat formation of diamond, the diamond market, cutting, and the importance of the diamond mining industry to the economy of South Africa. The five appendix chapters discuss the Boer War and its impact upon Kimberley, technical details of mining machinery, relative value of fuel coals, and statistics concerning the De Beers diamond industry and organization. This work must ultimately be studied by anyone studying the diamond mining industry whether in Africa or elsewhere. This edition is considerably scarcer than the second described below. Mendelssohn, *S Afr Bibliogr*, 1957, 2; rev G P Merrill, *Amer Geol*, 31, 1903, 51-3.

7234. -----1905, 2nd edit, New York, 2 vols

The Diamond Mines Of | South Africa | By | Gardner F.Williams, M.A. | General Manager Of De Beers Consolidated Mines, Ltd. | Illustrated | Vol. I[-II.]. | New York | B.F.Buck & Company | 160 Fifth Avenue | 1905

8°: vol I: blank f supplied + xvii, [1 blank], 359, [1 blank]p; same photograv front pl with captioned tissue; 17 photos on 16 rotograv pls, each with captioned tissue; 266 fig(21 are fullp tip-ins); 13 maps(6 doublep). All text figs of famous diamonds of the former first chapter now fitted with captioned & profiled tissue overlays; there are also portr text photos that are fitted with captioned tissue overlays. Full green morocco, which is almost always faded to medium to pale brown; elaborate floral orn(d=8 cm) enclosing a round brilliant gem on cover, also a double-rule gilt frame on border; similar orn over entire spine; back cover blind-rule frame only., Reddish-brown, olive-green, tan mbled endp; tan inner cloth hinge. 25 x 17.3 cm(9 7/8 x 6 3/4 in). Teg, others untrimmed. $25.00. LC 5-35785. USGS Libr. JSL. Also in 1/2leather, blue & pale-blue marbled paper over bds; similar endp; green inner hinge; aeg. JSL. There was an "Author's Edition" in 1,000 copies, signed, in the full leather version.



THE DIAMOND MINES OF SOUTH AFRICA

SOME ACCOUNT OF THEIR RISE AND DEVELOPMENT

BY

GARDNER F. WILLIAMS, M.A.

GENERAL MANAGER OF DE BEERS CONSOLIDATED MINES, LTD.

ILLUSTRATED

New York

THE MACMILLAN COMPANY

LONDON: MACMILLAN & CO., LTD.

1902

All rights reserved

7233. First edition of Gardner Williams story of the rise and development of the South African diamond mines

Cont: blank f; 1/2tp; front; tp; publ data; pref; tab cont; ill lists; 11 chs; blank p.

Vol II: xv, [1 blank], 353, [1] blank]p; col litho pl of diamond crystals with captioned tissue is front; 10 photograv pls(2 col); 259 fig(4 fullp); 2 maps(1 fold, col at end).

Cont: 1/2tp; front; tp; publ data; tab cont; ill lists; chs 12-20, also 8 chs append; gloss; general index; persons index; blank p; fold map.

Pref: "the edition now offered has been thoroughly revised, enlarged, and brought up to date, with the addition of a number of new and interesting illustrations." The original text is closely followed but the appendix chapter on the Boer War now forms the last chapter of the second volume. The revised appendix contains remarks on the underground haulage system, engines for the mine, relative values of coals, tailing & debris statistics, fossils, artificial diamonds, and remarks on diamond deposits elsewhere in Africa. The glossary, a short one, is of native terms.

7235. -----1906, reprinted New date on title; cont identical; dk blue buckram, similar gold lett & decor on spines but covers plain; plain white endp. 24.7 x 16.5 cm(9 3/4 x 6 1/2 in). Cut edges. Teg. LC 31-14702. USGS Libr. JSL. In 1985, an antiquarian bookseller in Cape Town, South Africa located numerous unbound sets of this edition which were then bound in half leather upon order; they do not at all resemble bindings described above.

7236. -----1905 The genesis of the diamond. *Trans AIME, Lake Superior Mtng*, Sept 1904, vol 35, 1905, 440-55, 2 fig(map & strata cross-sects). Composition and properties of diamonds, early history & mining in places other than in South Africa, occurrences in South Africa, genesis of the diamond(citing views by various authorities). Reprinted, rev with addits, *Ann Rpt Smithson Inst*, Wash, DC, 1905(1906), 193-209, LC S/5-1287. JSL. USGS Libr.

7237. -----1905 2.The diamond mines of Kimberley. *Science in South Africa*, edit by Rev.W.Flint...and J.D.F.Gilchrist... Cape Town, Pretoria and Bulawayo: T.Maskew Miller, 1905, p 318-31, 2 fig, 2 tip-in col pls, each with captioned tissue.

Location & geology of the pipe deposits, formation of pipes, petrography of the kimberlites, notes on diamonds and their properties. The color plates are from the author's *The Diamond Mines of South Africa*, the first plate showing diamond in matrix and the second the author's collection of colored diamond crystals.

7238. -----1906 The diamond mines of South Africa. *Nat Geogr Mag*, 17, 6, 1906, 344-56, 11 ill. "The following article, which is the substance of an address to the National Geographic Society, is largely derived from... "The Diamond Mines of South Africa," a new edition... recently published by B.F.Buck & Co., of New York."

WILLIAMS, GARDNER FRED, see BRITISH ASSOCIATION

7239. WILLIAMS, GORDON JOHN(1908-)

[Royal arms] | Tanganyika Territory | [rule] | Department Of Lands And Mines | Geological Division | Bulletin No.12 | The Kimberlite Province and | Associated Diamond Deposits | of Tanganyika Territory | By G.J.Williams, Ph.D., B.E., A.O.S.M., D.I.C., A.Inst.M.M., | F.G.S. | 1939 | Dar Es Salaam | Printed By The Government Printer | Price Shs 3/- [cover title in single-rule frame]

Centersewn: 41, [1 blank]p; 3 tip-in pls, inward-folding; 2 geol maps in back cover pocket. Pale tan print wrap, with stratigraphical table on inside front cover, 24.8 x 17.1 cm(9 3/4 x 6 3/4 in). Cut. Wraps overlap. JSL. USGS GS 40-188.

History of diamond prospecting & working, geology of deposits, the deposits themselves, petrography of the kimberlites, prospecting hints, likely areas for further prospecting, biblio(p 37-8, 16 entries), publications for sale. The region extends about 150 miles S of Lake Victoria in which 44 kimberlite pipes exist and are mapped. In addition, the associated minerals are described, and statistics given on production, sizes, and qualities of diamonds.

7240. WILLIAMS, H E Estudos geologicos na Chapada Diamantina, Estado da Bahia. *Bol Serv Geol Min Brasil*, Rio, 44, 1930, 16 p. Not seen.

7241. WILLIAMS, HENRY SMITH(1863-) & WILLIAMS, EDWARD H

Ingenuity and Luxury | By | Henry Smith Williams, M.D., LL.D. | Assisted By | Edward H.Williams, M.D. | New York And London | The Goodhue Company | Publishers - MDCCCCX [1910]

8°: viii, 336 p; 36 photos on 24 tip-in glossy f. Cloth. 20.8 x 14 cm (8 1/8 x 5 1/2 in). Cut. JSL.

A general survey of man's efforts to clothe, house, and adorn himself during the span of recorded history; it includes a chapter, 295-332, on "Gems, Natural and Artificial," based largely on information from Claremont's *The Gem-Cutter's Craft*, which see. Reprints appeared in 1911, 1912, also in small 8° entitled *The Wonders of Science in Modern Life*, 10 vols, of which vol. 4, "Tribute from the minerals world," p 153-190, contains the same gemological information as in the above(publ by Funk & Wagnalls, 1912).

7242. WILLIAMS, MARION F The collection of Western Asiatic seals in the Haskell Oriental Museum. *Amer J Semitic Languages & Lit*, 44, 1927/28, 232-53. Not seen.

7243. WILLIAMSON, GEORGE CHARLES(1858-1942)

Catalogue Of The | Collection Of Jewels | And Precious Works | Of Art | The Property Of | J.Pierpont Morgan | [orn] | Compiled At His Request | By | G.C.Williamson, Litt.D. | London | Privately Printed At The Chiswick Press | MCMX [title in red & black; 1910]

P [ii]: "This Edition, printed on hand-made | paper, consists of 150 copies, and is for | private circulation only. | This copy is No.133 [number inserted by hand]."

4°: 2 blank f + xxi, [3 blank], 183, [1]p + 2 blank f; 94 sepia-tinted heliograv photo pls, printed on very thick white paper, each with a translucent captioned paper guard(Pl 49 is front); these pls hinged to bound-in tabs. Also 22 fig; colophon fig. An extra guard leaf for front pl bound-in at p 102. V dk olive-green morocco, olive green cloth sides, the bds covered about equally by leather & cloth, with corners of leather unusually large, junctions gold-ruled; 5 raised bands, gilt panels, title, name of collection, date. Green mbled endp; inner hinge green cloth. 27.2 x 29.4 cm(14 5/8 x 11 5/8 in). Teg, others untrimmed. Hand-laid, watermarked paper, deckled edges. In dull green cloth-covered slipcase, lined with green velvet, finger cut-outs, 40.3 x 33.2 cm(15 7/8 x 13 1/4 in). With 4 dull-yellow silk marker ribbons, evenly spaced. JSL.

Cont: 2 blank f; otherwise blank p signed "a;" limited edit statement; 1/2tp; front pl & guard; tp; print data; tab cont; ackn; ill lists; blank f; text; undex tp; index; colophon & logo; 2 blank f.

This very large, beautiful, and superbly-produced book was manufactured from the finest materials as befitted the tastes and the pocketbook of J P Morgan, and providing one of the finest collection catalogs of all time. Even more lavish, is the de luxe version described below. The depicted and described objects fall into the following classes: jewels, portraits in wax, carved wood-

work, rock crystal and glass, gold and silver plate, and others made from various precious materials, and the precious objects of Prince's Gate. The gemologist will find the section containing rock crystal carvings and containers the most interesting for its discourses on the nature and occurrences of rock crystal, and artisans responsible for the execution of a considerable number of the larger vessels and other objects made from quartz. The section on miscellaneous objects made from precious materials also contains interesting matter on gemstone objects made from cryptocrystalline quartzes, and also a sole example of carved jade. Elsewhere objects are made in part from pearl, nacre, amber, diamond, emerald, corundum, peridot, topaz, turquoise, etc.

John Pierpont Morgan b Hartford, Conn 1837; educ Switzerland & Germany; entered financial field 1856; formed own company 1895; formed U S Steel Corp 1901. Eminent art collector, rare book collector, pres Metropolitan Museum of Art, NYC; benefactor this and Amer Mus Nat Hist(Morgan Coll Gems); d NYC 1913. See F H Taylor, *Pierpont Morgan as Collector and Patron 1837-1913*, New York: The Pierpont Morgan Library, 1970, wrap, 39 p, ill.

7244. -----1910, de luxe edit consisting of 40 copies only; not seen, the following taken from J D Willems, rare book catalog of 1968, Chicago. "It is printed on heavy, finest quality Japanese vellum and bound in extra heavy red leather with gilt cover decorations. The printed pages are done in a noble and delicate typographical style in a slender dignified type. The pages are large enough to accomodate the objects illustrated in life- size plates... There are three categories: 1) Thirteen illustrations in black and white, interpolated in the text; 2) 94 superb hand-colored facsimiles on fullsized plates; and 3) there are 46 of the 94 plates repeated in a series of extraordinary plates which are virtually impossible to describe adequately... These 46 plates are colored by hand, with actual silver-gilt worked into the heavy vellum pages where gold and/or silver appear in the illustrated objects. This gives the most nearly actual reproduction of the metallic object illustrated." In respect to size: "The book is three inches thick, the pages are 11 1/2 x 15 inches, and it weighs 16 pounds." The price asked was US $1650.00.

7245. -----1910, de luxe edit on vellum, 20 copies only Not seen, the following taken from the May 1969 catalog of Chas J Sawyer, bookseller, of London, item 131. "Limited edition especially printed on vellum, for private circulation only, with 47 hand-coloured facsimiles, heightened with gold and silver, and 94 photogravure plates, folio, green levant morocco, shagreen panel on upper cover, green morocco doublures, gilt tooled and inlaid, brass corner pieces, centre ornament with amethyst, and brass clips, gilt edges. Privately printed at the Chiswick Press, 1910. One of 20 copies on vellum only." The asking price: £ 495.

7246. -----1925

Stories Of | An Expert | By | Dr. G.C.Williamson | Herbert Jenkins Limited | 3 York Street St.James's | London SW.I [orn] MCMXXV [title enclosed in double-rule frame]

8°: 250, [6 advert]p; tip-in glossy front pl, tissue; 40 tip-in glossy pls(1-4 photos each); several text fig. Light red cloth, blind title on cover; gilt spine title. 23.1 x 15.3 cm(9 1/8 x 6 in). Cut. JSL.

Cont: 1/2tp; other bks of author; front; tp; publ data; dedic; pref; tab cont; ill list; 9 chs; advert.

Recollections and anecdotes of many treasures and antiques that either passed through the author's hands or in some manner were known to him. There is an excellent and interesting chapter on jewels(3, p 103-27), with several plates, and with remarks on the Morgan Collection described above. forgeries, tracing identities of valuable jeweled objects, trips abroad to examine pieces, etc. It is all interesting and with much of value to anyone in the antique business.

7247. -----1932

The Book Of | Amber | By | Dr.George C.Williamson | With A Foreword By | Edward Heron-Allen, F.R.S. | 1932 | London | Ernest Benn Limited | Bouverie House, Fleet Street, E.C. 4

8°: 268 p; tip-in front col pl with captioned tissue(amber specimens); 4 tip-in glossy photo pls. Pale brown cloth, gold lett spine. Pale yellow dj, amber carving photo on front; summary on flap; adverts. 21.6 x 13.9 cm (8 1/2 x 5 1/2 in). JSL.

Cont: 1/2tp; dedic; front; tp; publ data; fwd; pref; tab cont; ill list; 19 chs; biblio(261 entries); append; index.

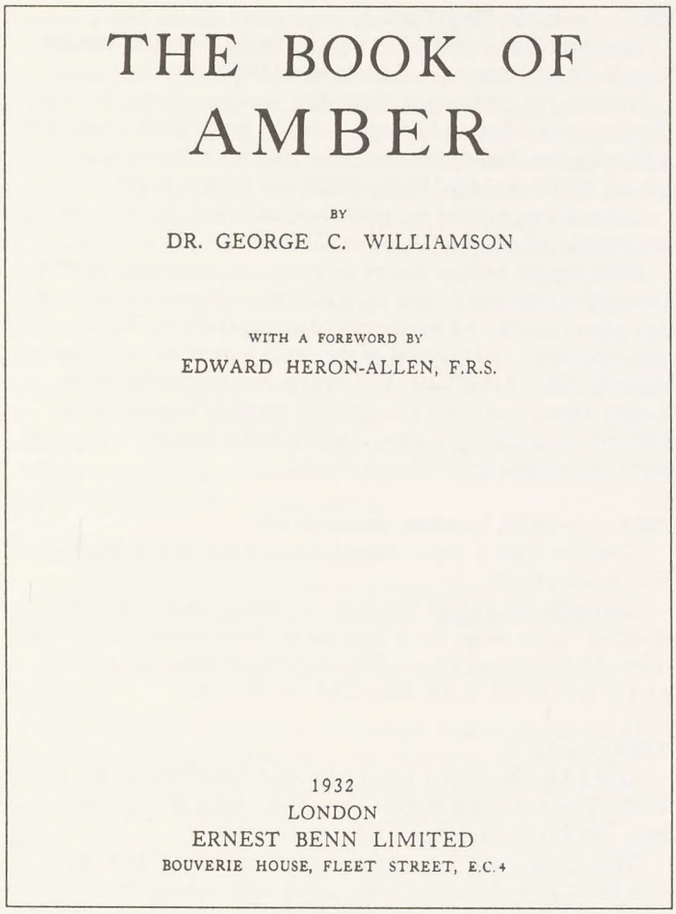
An exceptionally comprehensive and learned survey of all phases of the knowledge of amber as then known, and holding its place as the preeminent work on the subject in the English language until the recent appearance of P Rice's *Amber: The Golden Gem of the Ages*, 1980, which see. Rice's work contains much new information but does not entirely supersede Williamson's highly interesting monograph. The first chapters treat amber in general, discuss classical allusions, nomenclatural problems, the amber routes of antiquity, and the place of amber in anthropology and archeology. Amber is next considered as a substance with remarks on the geology of deposits, and the many inclusions of plant and animal life that have been found in it. Rather strangely, the flow of information on the natural history is here interrupted by a chapter on amber in art, after which the text returns to discussion of the famous amber deposits of the Baltic region, also those in England, and then again, rather jarringly, amber is discussed as a medicinal material and uses in amulets, or other lorical applications. However, from this point, the text treats amber in Sicily, Romania, and Burma, remarks on the similar-sounding ambergris, describes other fossil resins, the making of amber varnish, and amberoid or pressed amber. The bibliography is very extensive, possibly the largest to be assembled up to that time, but the entries lack paginations, and some lack the names of journals from which taken, and others are trivial. Rev K Andrée, *Bernstein-Forschungen*, 3, 1933, 212. Copies are scarce and still much in demand. There is a reprint of same date in sepia-brown cloth, the gold spine lett usually tarnished to copper.

7248. -----1938

The Book of Ivory | by | George C.Williamson | Author of "The Book of Amber", etc. | London: Frederick Muller Ltd | 29 Great James Street | W.C.I [1938]

8°: xi, [1], 247 p; 16 tip-in glossy photo pls. Pale tan cloth, gold lett spine. Dj with photo of an ivory on front; resume & other publ bks. 21.8 x 13.8 cm(8 5/8 x 5 1/2 in). Cut. JSL.

Cont: 1/2tp; tp; publ data; tab cont; ill list; pref; 18 chs; biblio (p 230-3, 84 entries); index; blank p.


THE BOOK OF
AMBER

BY
DR. GEORGE C. WILLIAMSON

WITH A FOREWORD BY
EDWARD HERON-ALLEN, F.R.S.

1932
LONDON
ERNEST BENN LIMITED
BOUVERIE HOUSE, FLEET STREET, E.C.4

7247. Titlepage of art connoisseur George Williamson's amber treatise, one of the best ever written on the subject

One of the few great books on ivory, devoted largely to works of art in this medium but including sufficient information on the nature, properties, and qualities of ivories to promote a fuller understanding of the peculiar usefulness of this substance in the delicate art pieces for which it has always been esteemed. The natural history and properties of ivories are treated in Ch 1, mammoth ivory in Ch 14, and also in Ch 15 we find a most interesting discussion of the author's experimentation and results of irradiation of ivories with ultraviolet light to excite the typical bluish fluorescence. He suggests that observed differences may be useful in identifying the ivory group to which the object belongs. Ch 16 discusses dating of ivories and the detection of forgeries. Another useful chapter is 17, giving numerous literary allusions to ivory. The last chapter, a short one, is devoted to netsukes. Considering the relatively small space devoted to the natural history and properties of ivories the bibliography to some extent rectifies this by including a surprisingly large number of references to same. Much sought for and now very scarce.

7249. WILLIAMSON DIAMONDS LIMITED

Tanganyika's | Great | Diamond Mine | This booklet describes the discovery, opening and | growth of the Williamson diamond mine at Mwadui... [8 lines]... | Williamson Diamonds Limited | Mwadui, Tanganyika [ca 1961]

Centerstapled: 28 p; 36 ill, part col, some on insides of wrap. Col glossy wrap, front with inward-fold flap. 24.2 x 23 cm(9 1/2 x 9 in). Cut. JSL.

Concisely presents history, development, operation, with remarks on residential & cultural facilities for personnel. For biographies of John Williamson(1907-1958) see FOURIE, M, also HEIDGEN, H

7250. WILLIMOTT, CHARLES WILLIAM(1852-)

Catalogue | Of | Mineralogical Gems | Mineralogical And Petrological Specimens, | Collection, & c. | [rule] | C.P.Willimott & Co., | Mineralogists and Lapidaries, | 333 Wellington St., - - Ottawa, Can. | [rule] | Ottawa: | Printed At Citizen Job Department, 48 & 50 Queen Street, | 1890.

Centersewn: 18 p. Pale greenish-blue print wrap, title on cover in double-rule frame. 21.4 x 15 cm(8 1/2 x 5 7/8 in). Cut. JSL.

First catalog issued by the firm: contains numerous entries and brief descriptions of gemstones, many of Candian origin. Rare.

7251. -----1891 Canadian gems and precious stones. *The Ottawa Naturalist*, 5, Nov 1891, 117-42. Also reprint in green wrap, 26 p. JSL; USGS Kunz Coll, GS 34-748. Willimott personally recalls the following gemstones as having been cut from native stones: tourmaline, spinel, garnets, quartzes, feldspars, wilsonite(scapolite), sodalite, prehnite, apatite, fluorite, alabaster, serpentine, and others.

WILLMAN, K, see KAISER, E, 1926

7252. WILLMAN, LEON D

Gem And Mineral Localities Of Southeastern United States | by | Leon D.Willman | Published in 1963 | Printed by | Higginbotham and Sawyer, Printers | 1108 Moore Avenue | Anniston, Alabama | Price | $2.00 | Additional copies of this book may be secured | from Dr.Leon D.Willman, Dean of Students, | Jacksonville State College, Jacksonville, Alabama.

Cementb oblong: VI, 97, [2 blank]p; 6 fold maps in pocket cemented to back wrap. Pale blue (or white) print wrap. 13.9 x 21.6 cm(5 1/2 x 8 1/2 in). Cut. JSL. USGS Libr.

Cont: tp; dedic; ackn; introd; tab cont; alphabetical list by species; geographical cross-index; refs(p 97, 6 entries); blank f.

The largest part lists localities under mineral species, sometimes giving directions to sites, sometimes referring to sites shown upon the pocket maps, and in still other instances referring the reader to another entry. Many localities were visited by the author. One map is Pl 43 of USGS PP 248; the other 5 are very crudely-drawn sketch maps that suffer from having little or no travel distances indicated. Booklet fitted with three holes along top margin, for insertion in a binder, and a good idea inasmuch as the cement-backing loosens readily.

7253. -----1970, "Vol II"

Volume II | Gem And Mineral Localities Of Southeastern United States | by | Leon D.Willman | Published in 1970 | Printed by |...| [in red stamp:] $8.00, Check Or Money Order | Additional Copies of this book may be secured | from Dr.Leon D.Willman, Professor of Education, Education | Office, Ayers Hall, Jacksonville State University, | Jacksonville, Alabama, 36265 | [below in red:] Additional Copies Of *Volume*

I, Gem And | Mineral Localities Of Southeastern U.S. | 97 Pages, 6" x 8" Plus Maps, All Different | Localities From Volume II, By Dr.Leon D. | Willman, Are Still Available For $3.00 |...[4 more lines]...

Cementb: [1], [1 blank], x, 271 p; 21 text maps; 7 fold maps in back wrap pocket. White paper wrap, black lett on cover with small blue cut gems set in jewelry. 28 x 21.5 cm(11 x 8 1/2 in). Cut. JSL.

Cont: tp; dedic; ackn; introd; tab cont; map lists; alphabetical list;refs p 235-39, 57 entries; geographical cross-index; maps.

Same arrangement of subject matter; maps borrowed from a variety of sources, most of good quality but others reduced so much that they are almost illegible; several are done in extremely crude style. Map #9 is not a map but a table; Map 15 appears on the same sheet as Map 3 but is not so labeled.

WILLS, GEOFFREY(1912-)

Brit art & antiques connoisseur,writer; attend Univ Coll School, London; wrote numerous journal articles, 3 previous bks on antiques, collecting, copper & brass, English chinawares.

7254. -----1964

Geoffrey Wills | [double-rule] | Jade | London | Arco Publications | 1964

"Arco Books for Collectors... Arco Publications, 9 Grape Street, London WC2."

8°: 121, [3 blank]p; 6 fig, 29 photos on 8 tip-in glossy f. Tan, mottled bds; decorative brown panel on spine with gold & brown lett. Col dj, jade urn on front; resume, vita. 21.5 x 13.5 cm(8 1/2 x 5 3/8 in). Cut. Te stained brown. JSL.

Cont: 1/2tp; tp; publ data; ackn; tab cont; ill list; introd; text; biblio(104-5, 11 entries); notes on the pls; index; 3 blank p.

Short popular treatment, concise, accurate, and interesting. Topics: jade in China, jade in other countries, general remarks on jades and pricing. The first part is a conventional treatment of chinese jade, but more interesting are the second and third parts that discuss jade in other places, eg, Central Europe, Russia, India, North America, New Zealand, and provide in addition a potpourri of information on jade and its substitutes, oriental jade in the West, medicinal properties of jade, etc. The fourth part perhaps is most useful to the prospective buyer because of its realistic discussions of jade carving values that are based on criteria suggested by the author and with lists of prices culled from sales catalogs during the period 1848-1963. The illustrations are only fair to good. Yang 2011; Born 345.

7255. -----1964, New York

Jade | A Collector's Guide | By Geoffrey Wills | [logo] | South Brunswick | New York: A.S.Barnes And Co. [1964]

8°: 121, [7 blank]p; same ill except that the horse-head pl formerly in text now used upon 1/2tp leaf(facing title). Unfin oyster-white cloth, dk green spine lett. Col dj, cover photo, resume, vita. 20.9 x 14 cm(8 1/4 x 5 1/2 in). Cut. $5.00. LC 66-14786. JSL. Identical reprinting in Apr 1968, same price. Born 345-6; rev J M Hartman, *Oriental Art*, ns, 11, Summer 1965.

7256. -----1968 Ivory. Arco Publs, 1968; not seen

7257. -----1969, New York

Geoffrey Wills | [rule] | Ivory | [logo] | South Brunswick | New York: A.S.Barnes And Company [1969]

16°: 94, [1], [5 blank]p; front line-drawing; 7 text sketches; 18 photos on 6 bound-in f(not includ in pag). Black unfin cloth, gold spine lett. Col dj, resume, vita. 20.8 x 13.8 cm(8 1/4 x 5 1/2 in). $5.00. LC 68-27235; ISBN 498-06866-8. JSL.

Cont: 1/2tp; sketch; tp; publ data; tab cont; pls list; text figs list; introd; 13 chs; biblio; index; 5 blank p.

Brief, simply-written survey of ivory covering types of ivory, history from antiquity, uses of, and with a chapter on eminent European carvers, and another on the care of ivory. The bibliography mentions only several of the most important works as by Maskell, Pelka, Longhurst, Williamson and Beigbeder, while Kunz's monumental work is ignored, possibly because of the difficulty in obtaining a copy. Despite being printed on the text paper the photos are well reproduced.

7258. -----1970, London, cementb edit

Geoffrey Wills | [taper rule] | Ivory | [logo] | A Mayflower Handbook [1970]

Cementb: 94, [1], [1 blank]p; 18 photos on 6 glossy f; 8 sketches. Color wrap, ivory figurine on front cover; resume back cover. 17.8 x 11 cm (7 x 4 3/8 in). UK: 7/-(35 p); Australia: $1.10; NZ $1.00; S Afr 85c; USA $1.25. JSL.

7259. -----1972

Jade | Of The East | [orn] | Weatherhill/Orientations | New York · Tokyo · Hong Kong [New York: John Weatherhill, Inc., 149 Madison Ave, 1972]

Title spread over 2 p: green & black title recto, pale green vase lid & part of handle verso, partly encroaching recto p.

4°: 196, [2], [2 blank]p; 162 photos(ca 60 in col); 6 fig; 3 sketch maps. Olive-green unfin silk, stamped with large jade ring orn in paler green, mostly on front cover but overlapping spine and back cover. Gold lett spine. Pale green, charcoal-type endp. 30.3 x 22.7 cm(11 7/8 x 8 7/8 in). Cut. In slipcase, same silk as cover at top & bottom; glossy black paper sides; one side with col title & carved jade screen + snuff bottle on other; title in white against green on spine. LC 72-78589; ISBN 0-8348-1854-X. JSL.

Cont: 1/2tp; tp; publ data & note; tab cont; doublep col ill; ill list; f; text tp; 6 chs; notes; biblio(p 191-2, 37 entries); index; blank p; publ data; blank f.

Despite its large physical size, this work contains a relatively small text but that which is present adequately covers the most important topics in readily assimilable language that rings with authority and discussion of controversial areas in the archeology of jade. The text is in two major parts, the first exclusively on Chinese jades, and the second on jades in Islam, Japan, Korea, and New Zealand. The first chapter discusses mineralogy of jades, confirmed deposits, especially those in Khotan and Burma, with details on same and methods of extraction, and qualities & colors of the jades. Wills lays to rest the notion that Burmese jadeite was known to China as early as the 13th century, quoting from a consular report that cites a local legend, and which by repetition achieved the status of truth. This initial chapter also is valuable for its good discussion of jade carving technique. The second chapter treats early nephrite jades of China through the Yuan Dynasty, presenting much useful information on shapes and incorporated symbolism against a background of Chinese

literature and commenting upon the attempts of authorities such as Laufer, Bushell, and Hansford (which see) to unravel the mysteries presented by such ornamentation and form. The last chapter of the first part considers jades to the Ming and Ch'ing dynasties, and interesting information on modern carving. The second part is less extensive inasmuch as it treats Islamic works which are far less common than Chinese pieces, and also discussing the rather primitive jade carvings of Japan, Korea and New Zealand. Wills is of the opinion that the Mogul jades of India were carved in that country. All chapters are handsomely illustrated with carving selected from important collections, many of the older pieces, for example, in Freer Gallery of Art, Washington, DC. Snuff bottles, for a welcome change, are included. This is one of the best jade books of recent times and although written primarily with the general public in mind, it contains much material that appears to have been selected primarily because it is new or neglected in usual works on jades. Rev *J Gemm*, 14, 1, 1974, 37; Born, 246-7; Yang 2012.

7260. WILMOT, ALEXANDER

Diamonds | And The | South African Diamond | Fields. | Cape Town: | William Foster, Machine Printer, Wale-Street. | 1869.

8°: 20 p. Ca 21 x 13 cm(8 1/2 x 5 in). Xerox copy only examined.

Cont: tp; 3 chs, with first ch treating famous diamonds of the world and their stories(3-8), the countries in which diamonds occur and their similarities (and dissimilarities) in the geology & type deposit, along with a discussion of diamond gravel washing, and lastly(13-20), the South African diamonds, history of discovery, some large stones, and geological features of the fields. Theal 1963, p 334; N Monica Southey No 68. A rarity!

WILSDORF, H , see AGRICOLA, 1955(note)

WILSON, ARTHUR NORMAN

Newspaperman, publicist for De Beers Consolidated Mines and Anglo-American Corporation in South Africa.

7261. -----1982

Diamonds | from | Birth to Eternity | [orn] | A.N.Wilson | Gemological Institute Of America [Santa Monica, California, 1982]

8°: XXV (first 2 p blank), [1 blank], [1], [1 blank], 450, [1], [1 blank]p; 98 text & marginal ill(photos, cross-sects, maps,etc); 30 col ill(all photos save one); many tabs. Brown, unfin cloth, with gold diamond crystal & flame motif on front cover; gilt spine title. 27.8 x 21.5 cm (11 x 8 1/2 in). Cut. ISBN 0-87311-010-2. $43.95. JSL. See limited edit description below.

Cont: blank f; sketch; 1/2tp; caption facing front col photo; tp; publ data; fwd; tab cont; ill list; pref; ackn & biblio; ackn; quot; text tp; text; index; print data; blank p.

This is not a book on diamonds, per se, although a great deal is said about them; rather it is a book on the geological circumstances that govern the creation of diamond in the Earth's crust and its transport to the surface. The 5-part text, based on the findings & conclusions of a number of recent far-reaching symposia on kimberlites & eclogites, and other hosts of diamond, in effect summarizes such findings and adds thereto much useful information on specific diamond deposits world-wide. As expected, by far the largest quantity of information treats occurrences in Africa but deposits elsewhere have not been neglected, unless, as in the cases of China and Australia, too little information has appeared so far. The first third of text discusses the mantle, continental drift, plate tectonics, interplate rifts, "hot spots," etc, along with theories that have been advanced to account for the present positions of continents and, incidentally, the grouping of diamond deposits in certain broad regions. These are treated in considerable detail, country by country, from Southern Africa to China, and including several "doubtfuls" which then form the second third of text. The last third treats crustal dynamics, the nature of kimberlites and its emplacement bodies, and finally the origin of diamond and the internal & external evidence from the crystals themselves to support or weaken such theories as have been advanced. The book is remarkable for the great quantity of information that Wilson has uncovered but as a resource, it is severely impaired by failure to provide a bibliography nor even specific references in the text to his sources of information. Rev F H Pough, *JCK*, Jun 1983, 133-4; *J Gemm*, 18, 5, 1983, 445; H O A Meyer, *Amer Min*, 68, 7/8, 1983, 854-5, "Wilson, who is not a scientist, has written an account for the interested layman, the geologist, and the gemologist of the recent theories of geology and their influence on ideas regarding the occurrence and formation of kimberlites and diamond. Such a thing has not been attempted since the publication in 1932 of Williams' classic work entitled "The genesis of [the] Diamond." Also: "will most likely become a collectors item, especially the leather bound limited edition."

7262. -----1982, limited edit, 500 copies Bound in full, pale-brown soft-finish pigskin, beveled edges, with diamond & flame motif blind on cover in the lower righthand corner; 3 raised spine bands; spine title, author, publ. Hand-marbled endp. Text paper heavier, pale cream color, with color ill now cut out and pasted to leaves. 27.9 x 21.5 cm(11 x 8 1/2 in). Cut. Stout cardbd slipcase, covered in pale tan unfin coarse-wove cloth, with 1/2 rd spine support in box bottom; the slipcase is unmarked. "This edition of Arthur Norman Wilson's *Diamonds:* | *From Birth to Eternity* is limited to 500 copies. | Copy number_____ " (author sig above this statement, p [iv]).

While the contents are the same, the ill list begins on p [xiv] instead of xv and the latter number is shown in error in tab cont. From placement of margins in this list it is apparent that the printing form was in error, and that p [xiv-xvi, last blank] were printed before this error was caught; it does not appear in the regular version. The use of soft leather is a serious mistake - every sharp projection that comes in contact raises the surface untidily - even the act of slipping the book into its case.

WILSON, A N, see INTERNATIONAL DIAMOND ANNUAL

WILSON, BENJAMIN(1721-1788)

Brit physicist & artist; stud painting in early years, becoming portraitist in Dublin and London; interested self in electricity, conducted many experiments for which awarded the gold medal of the Roy Soc London; experimented with lightning discharges, wrote treatises on electricity. DNB.

7263. -----1760

XXXV. Experiments on the tourmalin: by Mr.Benjamin Wilson, F.R.S. In a letter to Dr.William Heberden, F.R.S. Read Dec.6 1759. *Phil Trans Roy Soc London*, 51, Pt 1, for 1759, p 308-39, fold engrav pl. JSL.

Reports results of 53 experiments on pyroelectricity in tourmaline. The same volume contains Art XXXVII, "Some observations relating to the lyncurium of the ancients, " by William Watson, 394-98, in which Watson concludes that this fabled stone was neither a species of belemnite, nor amber, as supposed by some, but actually tourmaline. Translations: "Experiences faites la tourmaline," *Recueil* of Aepinus, 145-83, which see; also "Elektrikale proefneemingen omtrent de steen, die tourmalin, of asch-trekker, genoemd wordt," *Verhandelingen uit de niewste werken van de societeiten der wetenschappen in Europa, en van andere geleerde mannen*, Amsterdam, 6, 1761, 121-43, 200-19. Not seen.

7264. -----1809 LXVII. Observations on some gems similar to the tourmalin. Ibid, 11, 1809, 606-7. JSL.

Reports on several unidentified cut gems that display pyroelectricity, also successful pyroelectric experiments upon green tourmaline crystals from South America furnished by E M Da Costa and confirming polarity corresponding to extremities of principal crystallographic axis.

WILSON, BEN HUR, see DAKE, H C, et al, 1938

WILSON, CAROL GREEN

California biographer; Phi Beta Kappa grad Stanford U.

7265. -----1949

Carol Green Wilson | [orn] Gump's | Treasure Trade | A Story Of San Francisco | Thomas Y.Crowell Company · New York [1949]

16°: xiii, 288, [2 blank]p; glossy col front pl tip-in portr of Gump; 7 other tip-in glossy pls(6 col); text pls bear captions on reverses. Blue-green unfin cloth, black label, gilt borders & gold lett on spine. Col dj, col photo & gold lett against black; back photo; resume, vita. 23.4 x 15.6 cm(9 1/4 x 6 1/8 in). Cut. Te stained gray. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; ill list; 17 chs; poem; index; blank f.

The story of Gump's, the famous oriental arts store of San Francisco, founded by Solomon Gump and continued by his son Abraham Livingston Gump and the latter's son, Richard. One of the specialties of the firm has always been carved jade and while all of the text is facsinating those parts dealing with jade are especially of interest to the gemologist. Under A L Gump, trips to the Orient became frequent, and with them, much practical experience was gained in assessing quality of jades which information is passed on to the reader. Born 347.

7266. -----1965, reprinted with new epilog & illustrations

Carol Green Wilson |...| Thomas Y.Crowell Company · New York | Established 1834 [1965]

8°: xiv, 306 p; same col front pl tip-in; 16 col & 10 b&w photos on 12 bound-in & tip-in glossy f(pl captions now upon photos). Mustard yellow cloth, dk green spine panel with gold lett, orn rules; yellow endp. Col dj predominantly gold, with similar col photo; back cover now bears col photo of R Gump. P size same. Te plain. JSL.

Cont: same but epilog added p278; p [297] poem; p 299-306 index.

Front matter changed to reflect new data; ill list expanded; text slightly blurred where reproduced from original (up to p 277); epilog, etc newly set. The epilogue treats events in the interval from first first publication and describes the decision to sell off several branches because of difficulties in obtaining goods from the Orient. Additional photos of older stores included.

WILSON, D, see DREW, L

WILSON, DEREK & AYERST, PETER

D Wilson stud history, theology Cambridge U; schoolmaster Nairobi, Kenya 1964-71; secty Kenya Hist Assoc & editor their journal. P Ayerst stud forestry Aberdeen U; many years as Forestry Officer, Tanzania, and tchr of biology.

7267. -----1976

White Gold | The Story of African Ivory | Derek Wilson | And | Peter Ayerst | [logo] | Heinemann: London [1976]

16°: [8], 184 p; 3 sketch maps, 16 photos on 6 glossy bound-in f (not includ in pag). Brown, cloth-type paper over bds, silver elephant & lett on spine. White dj, ill both sides; flap resume, vitas. 21.6 x 13.7 cm(8 1/2 x 5 1/2 in). Cut. £ 4.50. JSL.

Cont: 1/2tp; another Wilson bk; tp; publ data; tab cont; maps; 11 chs.

Informative, interesting, and indeed at times an exciting account of the elephant in Africa, its systematic hunting, and the procurement of its tusks for the sake of their ivory. Topics: ancestry of the elephant, ancient Man and his co-existence with the elephant, former regions in which elephants roamed, and much on the natural history of modern elephants. A good feature is the inclusion of numerous eyewitness statements extracted from a variety of literary sources but unfortunately these are not identified. The reader interested in ivory itself will find much useful information on the nature of ivory, from whence it comes, its valuation, auctioning, dispersal, uses, etc. The several maps show ranges for the elephants of Africa, with special concentrations noted. The illustrations are mostly from older works on hunting elephants and disposing of the ivory.

WILSON, G H, see FITZPATRICK, J P

WILSON, MAB

B San Francisco, Calif; writer & editor for various magazines and businesses dealing with fashions and women's clothing.

7268. -----1967

Gems | Mab Wilson | A Studio Book | The Viking Press | New York [1967]

The word "Gems" enclosed above & below in floral-orn bars.

4°: 168 p; 72 ill(one photo is front); 29 col photos on 12 glossy f bound-in at center; ch orn. Pale purple unfin cloth, gold spine title. Black, plasticized dj, col photo Regent diamond with white title; flap resume, vita. 23.7 x 19 cm(9 3/8 x 7 1/2 in). Cut. $8.95. LC 67-19501. JSL.

Cont: 1/2tp & front caption; front; tp; dedic & publ data; tab cont; 28 chs; ackn; index.

Simply-written general work on gemstones. The first 9 chs treat the history of gems, curious lore, mineralogy, properties of gemstones, and factors involved in the esteem of gems. The remaining text describes and discusses the special features and lore of the principal gemstones, also some minor and rare species and varieties, with interspersed chapters on the Sancy diamond, Catherine De Medici's pearl necklace, and the Timur spinel. The text is flowery but tolerable where it treats lore and fashion but becomes unacceptable when it deals with scientific and technical matters, in which sections may be found many errors, misstatements and sloppy terminology. The text illustrations lean heavily on portraits of famous persons who may be only tenuously connected to the subject matter, while the colored plates are almost entirely of cut gems, fair to good reproductions, but generally somewhat blurred and in some instances so enlarged that small chips and signs of paper-wear upon faceted gems are readily noticed. There is no bibliography. Rev *G & G*, 12, 8, 1967-68, 255.

7269. -----1967, London

Gems | Mab Wilson | [logo] | Heinemann: London [1967]

Omits the portr & vita on dj; necessary changes in front matter. Price 84s net. Otherwise identical.

7270. -----1968, Paris

Pierres | Précieuses | Mab Wilson | Traduction de Raymond Albeck | Arthaud [Paris, 1968]

4°: 168 p; same ill. Bright, emerald-green unfin cloth, gold spine title. Similar dj but lacks vita. 23.8 x 18.8 cm(9 3/8 x 7 1/2 in). Cut.

7271. -----1969, Gütersloh

Mab Wilson | Strahlende Steine | Juwelen und ihre Geschichte | Bertelsmann Sachbuchverlag [Gütersloh, Germany: Reinhard Mohn,1969]

8°: 167, [1]p; same ill. Tan, coarse-wove unfin cloth; dk maroon spine title. White dj, oval red gem on front, black title; gem names list on back; flap resume. 23.8 x 19 cm(9 3/8 x 7 1/2 in). Cut.

WILSON, MORLEY EVANS(1882-1965)

Canad geologist; PhD Yale U 1921; Geol Survey Canada to 1948; GSA Penrose Medal; Canad Inst Min Met Blaylock Medal.

7272. -----1929 Fluorspar deposits of Canada. *Canada Dept Mines, Geol Survey, Econ Geol Ser* 6(No 2210), Ottawa, 1929. 8°: vii, 97 p, 4 pls, 14 fig; stiff brownish gray wrap, inner cloth hinges. 25 x 16.5 cm(9 3/4 x 6 1/2 in). GS 30-56; JSL.

Describes commercial fluorite deposits, including Rock Candy Mine, British Columbia(noted for facet-grade barite crystals), and the deposits nr Madoc, Ont from which clear, facetable crystals were obtained. See also author's article on Madoc in *Can Geol Survey Summ Rpt*, 1920, Pt D, p 41D-78D.

7273. WILSON, THOMAS Prehistoric art; or, the origin of art as manifested in the works of prehistoric man. *Rept US Nat Mus, Ann Rpt Bd of Regents of Smithson Inst*...June 30, 1896, 1898, p 325-664, tip-in front photo pl + 74 tip-in photo pls; 325 fig. JSL.

In this large and important monograph, based on objects in the US National Museum, Washington, DC, Wilson devotes much space to description and discussion of meanings or functions of many objects made from stones and minerals, some being gemstones. Sculptures of every type are treated, also weapons, implements, tools, ceremonial objects or ornaments, and with considerable detail on carved jades and implements or weapons of Mexico and New Zealand. It is richly illustrated and annotated.

7274. -----1900 Jade in America. *Congrès Internationale des Américanistes, 12. Session*, Paris 1900, p 141-87, Pls 3-4(pl 3 in col). Also separately in 8°: with additional numbering of pages [1-47], 24.6 x 16.4 cm(9 3/4 x 6 1/2 in). Uncut.

One of the most valuable papers published in North America on jade and little known because of being embodied in a relatively obscure journal. Wilson commences with a review of all that was known of jade, its nomenclature, its sources, etc, from the earliest mentions that he could find in the literature, citing such authors as Pliny, Agricola, Mandeville, Cesi, Aldrovandi, and others, especially those who wrote of the jade of Mexico and the confusing terminology which was applied to green stones and therefore embracing nephrite, turquoise, and even emerald. The use of jades in Mexico is especially treated, and then, passing on to the jade of the Pacific Northwest & Alaska, we find a true bibliographical rarity indeed when Wilson states "No official report has been published [on Alaskan jade], but the following statement of the expedition, including the discovery of Jade Mountain, has been furnished me by Lieutenant-Commander Stoney:... [p 157-162]." In his account, Stoney tells of his travels in Alaska, his excursions up the Kobuk River, and his discovery of the deposits and collections of specimens, over a time span of three expeditions in 1881, 1883, and 1885-6. For another account by Stoney, see elsewhere under his own name. Wilson then passes on to a discussion of nephrite and jadeite, then other places where nephrite occurs in Canada, citing Dawson in this regard(which see). From p 171, Wilson now compares the two jades, their occurrences in Europe, the findings of Damour and Saussure, mineralogical composition, with a plate of thin-section photographs, and the great Jade Question or "Migration" as Wilson captions this section. An invaluable work which must be consulted by anyone researching the jades of the Western Hemisphere.

7275. WILSON, W F & MCKENZIE, B J Mineral collecting sites in North Carolina. *North Carolina Dept Nat Resources & Community Development, Geol Survey Sect Info Circ* 24, Raleigh, 1978. Cementb: vii, 122, [1 blank]p; 10 col photos on 2 bound-in glossy f; 4 col litho ill on 2 bound-in glossy f; 2 fig; 50 locality sketch maps; 18 museum guide sketch maps; large fold tinted state map showing locations of smaller text map areas bound-in at end and hinge-perforated for easy detachment; 1 tab. Additional 8 col photos on inside both covers. Glossy white wrap, col photo(emerald crystal) on front, black title; spine title; publ data back cover. 27.9 x 21.2 cm(11 x 8 3/8 in). Cut. JSL.

Excellent, detailed guide. First part treats gemstones generally and contains a table of properties for those found in the state. Topics: esteem of gems, lore, cutting, color changes, synthetics, imitations, assembled gems, brief history of NC gemstones, descriptions of major species and varieties up to p l9; includes the 4 color plates by Prang from G F Kunz's *History of the Gems Found in North Carolina*, but strangely, and inexcusably not identifying this source although the other color photographic

illustrations are so acknowledged. The bibliography is meager and lacks important references as J Sinkankas' *Gemstones of North America*, in which is incorporated much old as well as modern information on North Carolina gemstones. Also lacking are recent articles from current journals that describe field trips and mineral finds in the state. The sketch maps purporting to guide visitors to collecting sites are poorly adapted for this purpose whereas the maps guiding visitors to museums are much more detailed and more likely to deliver tourists to their destinations.

WILSON, W H, see OSTERSTOCK, F W, et al

WIMMER, F, see THEOPHRASTUS, 1862, 1866

7276. WIN, U SOE The application of geology to the mining of jade. *Union of Burma J Sci & Technol*, 1, 1968, 445-56, 3 fig. Not seen. *Min Abstr*, 21, 2, 1970, 130 - mineralogy, genesis of jade, mode of occurrence, methods of mining.

WINCHELL, H, see KRAUS, E H, et al, 1946

WINCKELMANN, JOHANN JOACHIM (1717-1768)

Ger archeologist, art critic, founder of scientific archeology; tchr & librarian 1743-1754; traveled to Rome 1755 where studied antiquities in Florence, Pompeii, Naples, etc; placed in charge antiquities in Vatican 1763-; murdered in 1768.

7277. -----1760

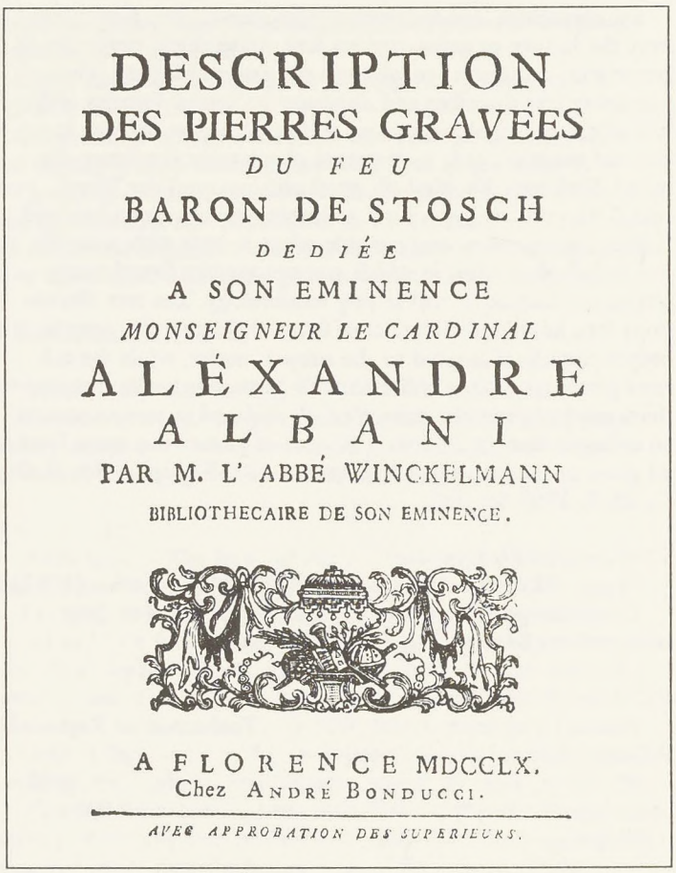
Description | Des Pierres Gravées | Du Feu | Baron De Stosch | Dediée | A Son Eminence | Monseigneur Le Cardinal | Aléxandre | Albani | Par M. L'Abbé Winckelmann | Bibliothecaire De Son Eminence. | [woodcut orn] | A Florence MDCCLX. | Chez André Bonducci. | [rule] | Avec Approbation Des Superieurs.

4°: [7], [1 blank], XXXII, 596, [31], [1 blank]p; $+^4$, $*-****^4$, A-Eee^4, Ffff^2, a-h^2. Woodcut ch orns, inits. 24.5 x 17.6 cm(9 5/8 x 7 in). Cut. JSL.

Cont: tp; dedic; pref; tab cited authors(p XXX-XXXII, 59 entries); catalog; catalog of Stosch atlas; tab cont; errata; blank p.

Selected engraved gems of the Stosch collection were first published in the magnificent illustrated work by Stosch & Picart, *Pierres Antiques Gravées*, 1724, which see. The present catalog, the first complete description of the Stosch collection, originated in unusual circumstances. According to Furtwängler, *Die antiken Gemmen*, 3, 415-7, Stosch, some hours before his death in 1757, expressed the desire that Winckelmann, with whom he had maintained an extensive correspondence, prepare a systematic catalog of his collection. This wish was carried out by his heir, Wilhelm Muzel-Stosch, who invited Winckelmann to Florence to accomplish the task, eventually done during 1758-1759, with the completed work published in Florence in 1760. See also comments of Zwierlein-Diehl, *Antike Gemmen in Deutschen Sammlungen*, Bd 2, 1969, p 9, who also reproduces the catalog titlepage(p 12). This episode and valuable remarks on the preparation of the Stosch catalog appear in Wolfgang Lippmann's biography, *Winckelmann*, NY: Alfred A.Knopf, 1970, 312 p, esp p 190-5; remarks on Cardinal Alessandro Albani(1692-1779), the dedicatee, appear on p 208-9. Extended comments also in Zazoffs *Gemmensammler*, p 71-134.

After a long preface that presents the design of the work, and, among other topics, noting special pieces in the collection,


DESCRIPTION
DES PIERRES GRAVÉES
DU FEU
BARON DE STOSCH
DEDIÉE
A SON EMINENCE
MONSEIGNEUR LE CARDINAL
ALÉXANDRE
ALBANI
PAR M. L' ABBÉ WINCKELMANN
BIBLIOTHECAIRE DE SON EMINENCE.
A FLORENCE MDCCLX.
Chez ANDRÉ BONDUCCI.
AVEC APPROBATION DES SUPERIEURS.

7277. First complete description of the Stosch engraved gems, published with or without plates

Winckelmann describes the gems in eight classes: 1 Egyptian and some pieces of Persian origin, 2 sacred mythology, 3 historical mythology, 4 ancient history, 5 amusements, festivals, vases, symbolic rings, 6 vessels and navigation of the ancients, 7 animals, and 8 abraxoid and some modern gems. The last part of the work is a catalog of maps & charts collected by Stosch but having nothing to do with the engraved gem collection; it is described as Stosch's "second celebrated collection" of 324 specimens of the mapmaker's art. The order of gems was taken from an existing MS catalog upon which Winckelmann depended heavily for his descriptions and also upon the Stosch-Picart work of 1724, which see, and numerous impressions taken from the Stosch gems. At this time the Stosch gems numbered 3,444, according to A Furtwängler, *Beschreibung der geschnittenen Steine in Antiquarium*, 1896, p V, which see.

C W King, *Antique Gems and Rings*, 1872, 469: "an admirable description by the great antiquary of the extensive cabinet formed by Baron Stosch, including copious dissertations upon the subjects and the styles of the principal pieces. As the collection had been formed with a view to its completeness in point of subjects, for which purpose pastes of all other celebrated gems were admitted into it, this catalogue becomes the most useful of guides to the collector, hardly any type than can come into his hands not finding its counterpart and elucidation in the text of Winckelmann."

Apparently this work was issued in two states, the most abundant being that just described, sans plates, but another version, called the "Luxusausgabe" by Furtwängler, is said by him to have eight engraved plates, but R Goodland, *Bibliography of Sex Rites*, 653, notes as illustrations a portrait of Winckelmann plus 10 plates. Graesse, VI, 461, claims that some copies have 12 plates. Brunet, V, 1464. In any event, the plates were engraved by Johann Adam Schweikart(1722-1787), celebrated for the perfection of his work in both Germany and Italy, for a proposed continuation of the original Stosch-Picart work but such was never issued and the plates instead were used by Winckelmann in the deluxe version(Furtwängler, ibid, 410). Vinet, 1628, merely notes that figures exist. A recently acquired copy contains eight plates(JSL), done in the typical meticulous style of Schweikart, impression size 27 x 19 cm, save for one plate which measures 22.7 x 15 cm. The larger plates had to be folded twice to fit within the book: p 50, no 110, Jupiter combatting Typhon & Titans; p 101, no 434, Hermaphrodite, 3 cupids; p 206, 1240, canine head; p 251, no 1553, bust of a bacchante, signed by Schweikart and dated 1745; p 348, no 174, Tydeus, the sole unfolded plate, del by G A Nagel and engrav by Schweikart; p 490, no 122, an urn; p 543, no 1, horse head, signed by Schweikart. Page number & catalog number appear in the upper right hand corner of each, except for the unfolded plate, but since they appear outside the engraved areas, they seem to have been added solely for the deluxe version. There is no reference whatsoever to engraved plates anywhere in the book.

7278. -----1825 A literal transl of the 1760 edit appeared in 1825 in the Donausesching edit of Winckelmann's collected works, publ by Joseph Eiselein, IX, 271-609, but only the first 4 classes of the original were transl(Zazoff's *Gemmensammler*, p 185 footnote). Not seen.

WINCKELMANN, J J, see SCHLICHTGROLL, A H F; also BERLIN K MUSEEN

WING EASTON, N, see EASTON, N W

WINKLER, N B, see MCNEIL, D S

WINSTON, H, see KRASHES, L S

WINTER, COLIN, see O'DONOGHUE, M, et al, 1976

WINTER, J G, see BOYLE, R, 1673

7279. WINTER, FRIEDRICH WILHELM(1895-1982)

Wilhelm Winter | "Knotenpunkte meines Lebens"

[the above appears on cover, spine, and p [1] but the following on p[3]:]

Die Geschichte des Hauses | Ernst Winter & Sohn | Hamburg | Fabrik für Diamantwerkzeuge | im Spiegel der persönlichen | Lebenserrinerungen von | Wilhelm Winter | Mitinhaber des Unternehmens und | Ehrensenator der TH Braunschweig | Herausgegeben anlässlich des 75.Geburtstages des Verfassers am 26.Juli 1970 [priv publ; Hamburg?]

8°: 209 p(actually 207, [1 blank]p with "page" 209 being a double-folded leaf, ca 45 cm, tip-in at end); 76 photos(views, portrs, documents, line drawings). Pale blue unfin cloth, gold title cover & spine. 23.1 x 18 cm (9 x 5 7/8 in). Cut. JSL.

Cont: 1/2tp; tp; dedic; fwd; text; tab cont; fold tab.

The history of a German firm long noted for its production of graded diamond powders and a large variety of tools & devices which depend on diamond for their abrasive/cutting effectiveness. The tip-in table at end traces the author's genealogy from a certain Salomo Winter(d 1617), but the text itself contains material largely on the author's life and the progress of the company in his lifetime. Many photos of persons, places, documents. A particularly interesting part of the book treats pre-World War II years that led to Hitler's regime, and the post-war years. Obit: *Industrial Diamond Quart*, no 31, 1982/I, p 150.

7280. WIRBELAUER, KARL-WILLY(1911-)

Antike Lapidarien | Inaugural-Dissertation | zur | Erlangung der Doktorwürde | genehmigt von der | Philosophischen Fakultät | der Friedrich-Wilhelms-Universität | zu Berlin | von | Karl-Willy Wirbelauer | aus Bottrop in Westfalen | Tag der mündlichen Prüfung: 11.Februar 1937 | Tag der Promotion: 20.Oktober 1937 | 1937 | [rule] | Druckerei u. Verlag wissenschaftlicher Werke K.Trilitsch Würzburg

8°: [2], 48, [1], [1 blank]p; self wrap. 20.8 x 14.5 cm(8 1/8 x 5 3/4 in). Cropped. JSL.

Cont: tp; names of reporters; text; vita; blank p.

Amplifies and educes additional material on minerals and gemstones given in Max Wellman's *Die Stein- und Gemmenbüchern der Antike*, which see, referring principally to the various editions and translations of Pseudo-Astrampsychos, Damigeron, Dionysius, Pseudo-Dioscorides, Epiphanius, Hermes Trismegistos, and Pseudo-Orpheus. Most wordage is devoted to Epiphanius' treatise on the twelve stones of the High Priest's breastplate, which see.

7281. WIRSING, ADAM LUDWIG(1734-1797)

Marmora | Et Adfines | Aliquos Lapides | Coloribvs Svis | Exprimi | Cvravit Et Edidit | Adamvs Lvdovicvs Wirsing, | Chalcographvs Norimbergensis. | [orn rule] | Abbildungen | der | Marmor=Arten | und einiger | verwandten Steine | nach der Natur auf das sorgfältigste mit Farben erleuchtet | gestochen und herausgegeben | durch Adam Ludwig Wirsing, | Kupferstecher und Kunsthändler | Nürnberg. | [orn rulel | Nürnberg, | auf Kosten des Verlegers, 1775

2°: 64 p, p 8 misnumb"4"; A-R^2; 54 hand-col engrav pls, each with 2 to 9 rect panels representing polished stones(315 ill altogether!). 33 x 23 cm (13 x 9 in). Cut. Ch orns. JSL.

Cont: tp; quot; prefs; text(prefs & texts in parallel columns, Latin & German).

Very little is known about the author of this splendid work aside from that he gives in his title. Magnificent, outstanding color-plate book of the Mineral Kingdom, depicting an almost infinitely-varied series of marbles and allied ornamental stones from deposits in Germany and nearby countries. Presumably each of the rectangular panels represents the appearance of a polished slab, with most plates depicting six such pieces, but others two, four, and as many as nine, While one is immediately captivated by the richness and depth of the watercoloring, often heightened by the application of opaque white for veinlets, it can be see that under each painting lies a complex, lightly-incised network of lines, almost like rouletting, over which the colors

have been laid. Near the end of the volume appear the most complex designs, beautifully done, of slabs of dendritic limestones.

The first series, 13 plates, 6 panels each, are marbles from Bayreuth, the next 12 pls, 6 panels each, are from Würtemburg, then 5 plates bearing 9 panels of stones from Neresheim, also 6 plates, 6 panels each, of stones from Durlach, ditto from Salzburg, and from Switzerland, 7 plates, 4 panels each, specimens from Canton Bern, 3 plates of 4, 2 and 2 panels each of dendrites from Argau, and lastly, 2 plates, 6 panels each, of Tyrolean marbles. In regard to the so-called "marbles," all are by no means the granular/crystalline metamorphic rocks normally considerd to be marbles but include numerous very fine-grained types that probably are limestones, many veined, others spotted, and still others brecciated, and including fossiliferous varieties. In some examples the banding suggests that these are calcite onyxes or possibly several cut from cave onyxes. Each plate bears two engraved numbers, one at top center for the plate position within the section and another number in the upper right hand corner that is the consecutive number within the book as a whole. There is index and it is assumed that this, the first edition, is complete. C C Leonhard, J H Kopp & C L Gaertner *Propadeutik der Mineralogie*, 1817, p 271, mention this work but not the number of plates. The accompanying text provides brief descriptions and in places footnotes in Latin & German, with locality and an indication in feet of the sizes of the unbroken rock sections that can be removed from the quarries concerned.

7282. -----1776, Amsterdam, enlarged

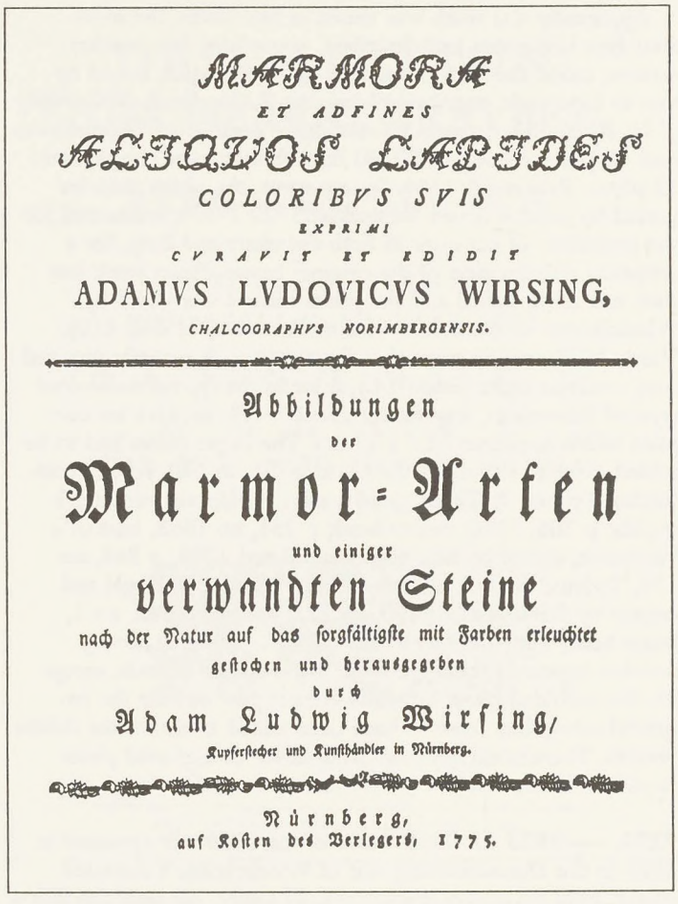
Afbeelding | Der | Marmor Soorten, | Volgens Hunne | Natuurlyke Koleuren | Naauwkeurig Afgebeeld, ook met de bygevoegde Hollandsche, | Hoogduitsche, Engelsche, Fransche en Latynsche | Benaamingen voorzien. | [woodcut orn] | Te Amsterdam, | By Jan Christiaan Sepp, Boekverkooper, | 1776.

Also incorporated are full titles, each followed by a preface leaf, in German, English, French, and Latin; text in columns, with captions, in same, but with Latin relegated to the foot.

4°: [col, engrav]f + [82]f; sigs A-V in various gatherings; 100 hand- col engrav pls(568 panels); all pls tissued. 28 x 23 cm(11 x 9 in). Cropped. BM(Nat Hist) Libr. A copy sold by Lathrop Harper, NYC, 1977, measured 29.0 x 25.0 cm.

Cont: 1/2tp(in Latin, engrav, with col marbles, pillars, lintel); Dutch tp & pref(same for Ger, Engl, Fr, Latin); sect tp; Pl 1...[with texts]...Pl 100; appends(in same languages); closing note(in same languages).

According to the English closing note, this work was published in 100 plates but the Lathrop Harper catalog of 1977 included an example in 12 parts only "with original part wrappers bound in," and with only 56 leaves of text and 73 plates. This suggests that the work was regularly issued in parts by subscription and therefore accounts for examples containing less than the maximum number of 100 plates. In addition to the localities indicated in the first edition there are new plates for marbles from the south of France, Brabant, Saxony, and Italy, with a supplement of miscellaneous stones as porphyry, syenite, granite, jasper, lapis lazuli, amethyst, and others. The text was provided by naturalist Casimir Christoph Schmidel(1718-1792), who had earlier, in 1753, published a color plate volume of mineral specimens. Brunet IV, 1243, claims that no more than 98 plates were ever issued and text only up to Plate 75.


MARMORA
ET ADFINES
ALIQUOS LAPIDES
COLORIBVS SVIS
EXPRIMI
CVRAVIT ET EDIDIT
ADAMVS LVDOVICVS WIRSING,
CHALCOGRAPHVS NORIMBERGENSIS.

Abbildungen
der
Marmor-Arten
und einiger
verwandten Steine
nach der Natur auf das sorgfältigste mit Farben erleuchtet
gestochen und herausgegeben
durch
Adam Ludwig Wirsing,
Kupferstecher und Kunsthändler in Nürnberg.

Nürnberg,
auf Kosten des Verlegers, 1775.

7281. A wealth of marbles and other patterned stones in handsome hand-colored plates are the feature of this rare work by Wirsing

7283. WISEMAN, D J

Götter Und Menschen | Im Rollsiegel Westasiens | Text | D.J.Wiseman | Zweiter Konservator Der | Abteilung Für Vorder- | Asiatische Altertümer | Im Britischen Museum | Lichtbilder | W. u. B.Forman | Artia

Prag: 1958; title in orange & black, with tinted photo on 2 pp.

8°: 118, [4]p(title f & conjugate tip-in); photo front, part col, connecting with title photo; 17 text photos; doublep sketch map; 118 large photos(each accompanied with a small photo); preliminary & closing leaves decorated with bands of gold cuneiform. Pale gray cloth, horizontal cuneiform bands in gold on both covers; gold spine lett. Pale olive endp with similar gold cuneiform writing. Blue dj, orange seal impress & white lett; resume, vita. 20.2 x 20.1 cm(8 x 7 7/8 in). Cut. JSL.

Cont: logo; 1/2tp; front; tp; publ data; introd; classif scheme; uses; technical; inscriptions; period summaries; biblio(p 51-2, 26 entries); doublep map; pls tp; pls; decorated pages(3).

On the basis of the date on p [6] it is assumed that this is the first edition; I do not know if translations were made other than into English (see below). The dustjacket remarks that "the specimens illustrated in this finely produced book were selected by the brilliant photographer Werner Forman from the excellent collection in the British Museum, and they are presented here with a commentary by Mr. D.J.Wiseman, who, as Assistant

Keeper of the Department of Western Asiatic Antiquities at the Museum, is outstandingly well qualified for the task," further, "more than two-thirds of the seals shown have never been published before." All are given in actual size in the small photos while details are provided in the enlarged photos which form full-page illustrations. Wiseman provides a classification scheme, discusses the technical aspects of seals and uses, materials from which cut, inscriptions, and characteristics of seals according to periods, from the Protoliterate Period, before ca 3000 BC to the Achaemenian Period, ca 590-330 BC. The sketch maps shows Near Eastern countries in antiquity. Brief descriptions accompany the seal illustrations.

7284. -----1958(?), London

Cylinder Seals | Of Western Asia | Text By | D.J.Wiseman | Assistant Keeper Of The | Department Of Western | Asiatic Antiquities In | The British Museum | Illustrations Selected | And Photography By | W. and B.Forman | Batchworth Press | London [tp, etc, similar to above]

8°: 47, [6], 118, [4]p; same ill, binding, dj, size. JSL.

Cont: leaf decorated with cuneiform alone; 1/2tp; front; tp; publ data; introd; classif scheme; uses. tech; inscriptions; period summaries; biblio(p 46-7, 26 entries); map; pls tp; pls; 3 dec pages(one with small photo).

There is no date anyplace in the book; its time of publication versus the above is not known.

7285. WISNIEWSKI, ROSWITHA Wolfram Gralstein und eine Legende von Lucifer und den Edelsteinen. *Beiträge zur Geschichte der dt Sprache u Lit*, Tübingen, Nr 79, 1957, 43-66. Not seen; C Meier, p 540.

7286. WITH, ÉMILE

Émile With | [rule] | L'Écorce Terrestre | [rule] | Les Minéraux | Leur Histoire | Et Leurs Usages Dans Les Arts Et Métiers | [logo] | Paris | E. Plon Et C^{ie} Imprimeurs-Éditeurs | Rue Grancière, 10 | [rule] | 1874 | Tous droits réservés

8°: [4], 560 p; doublep, hand-col engrav pl bound-in after tp; 22 woodcut pls(2 doublep) tip-in, mostly with tissues; 165 wood engravs. Pale greenish-gray print wrap, wood engrav of fossils in stone on cover. 25.3 x 16.5 cm(10 x 6 1/2 in). Uncut. Flyleaves supplied. JSL.

Cont: 1/2tp; publ data; tp; front; 14 chs; tab cont.

A popular economic geology; despite the title, only the first two chapters treat the Earth's crust per se, along with brief accounts of its geology, structure, and paleontology. The remaining chapters are devoted to mineralogy, crystallography, minerals & rocks, and miscellaneous products, some of inorganic origin. Ch 8, 161-93, specifically deals with gemstones and includes sections on diamond and synthetics. Chapter 9, 195-206, describes organic materials as coral, nacre, pearl, calculi, and bezoars. Elsewhere are short descriptions of marbles, quartz varieties, feldspars, serpentine, amber, lignite and jet, also mosaic work, gem engraving, diamond cutting, and the manufacture of jewelry and imitation pearls. While most of the information is fragmentary and of little real value the many skillfully executed illustrations are a point in favor of this otherwise undistinguished work.

7287. WITH, KARL

Karl With | Chinesische | Kleinbildnerei | In Steatit | Gerhard Stalling Verlag | Oldenburg I.O. [1926]

4°: 143, [1 blank]p; 7 col pls as cut-outs mounted on thick brownish-gray leaves, each with lett tissue, paper-hinged, bound-in(one is front); 47 text photos; 80 photos on 40 bound-in f betw 132-3. Dk blue cloth, gold lett cover & spine. Bd edges rounded. Pale yellowish-tan ribbed endp. 28.4 x 22.1 cm(11 1/8 x 8 3/4 in). Cut. JSL.

Cont: front; series tp("Sacramentum Artis"); tp; publ data; tab cont; fwd; 4 chs; b&w pls; ill captions; biblio(p 141-3, 176 entries).

A most handsome, richly illustrated work on the well-known Chinese carvings in steatite(soapstone), of which numerous examples are depicted upon the good to very good plates in color and in black-and-white. The theme of the first chapter is the expression of Chinese folk culture and lore as depicted in such carvings and religious and legendary characters predominate. The second chapter deals briefly with the nature of the stone and the forms that appear in the carvings, with further details being furnished in the third chapter. The last chapter specifically describes personages and symbolism, particularly gods, heroes, and religious, cultural, or talismanic symbols used in decoration. A high quality production and much prized. Also issued in a cheaper version of terra-cotta paper over boards, pale blue-gray spine, plain endpapers, but identical contents. Yang 2019.

7288. WITHEY, HOWARD F & MENNELLA, ANTONIO The Neapolitan coral industry. *A Report to the U.S.Department of Commerce* by... U.S.Consulate General's Staff, Naples, Italy,Dec 1934. Typescript of 9 p treating briefly the history of coral, coral fishing, the fishermen, relation of the latter to the manufacturers of coral objects, qualities, grades and varieties of coral, working coral, its commerce, and the school of coral carving at Torre del Greco near Naples. Based on interviews and "personal observation of actual coral fishing operations and of artisans at work."

7289. WITTHOFT, JOHN Stone pipes of the historic Cherokees. *Southern Indian Studies*, 1, 2, Oct 1949, Chapel Hill, North Carolina, p 43-62, 4 photo pls. JSL. Describes features of catlinite pipes with illustrations of typical pieces. Witthoft was State Anthropologist in the Pennsylvania State Museum, Harrisburg. There are 20 references.

7290. WITTI, FRITZ

Transformations | A Guide | To | Gemstones | Mounting And Jewelry | A Publication Of | Town And Country | Jewelry Manufacturing Corporation | 25 Union Street | Chelsea, Massachusetts 02150 | Telephone 617/884-8500 Telex 940664

Cover title only; p i "By Fritz Witti." No date,

Plastic spiral binding, with thick tan card covers; v, [1 blank], [1], [1 blank], 47, [1 blank]p; 2 fig; tabs. 28 x 21.6 cm(11 x 8 1/2 in). JSL.

Very elementary, plainly-stated information on gemstones, organic gemstones, synthetic & imitation gems, care & handling of jewelry, tables of hardness, birthstones, zodiacal stones, seasonal stones, and wedding anniversary gifts. None of the information is remarkable and it is much better furnished in standard gemological/jewelry works.

WITTICH, or WITTICHIUS, JOHANN, or JOHANNES (1537-1596)

Ger physician; b Weimar; stud Jena & Vienna for MD; publ several works on medicine; court physician to Count of Arnstadt.

7291. -----1589 Bericht von den wunderbaren Bezoardischen Steinen, so wider allerley Gift krefftiglich dienen, und aus den Leiben der frembden Thier genommen werden, desgleichen von den fürnehmsten Edelsgesteinen, harzigen Dingen, Wunderkräutern, Holz & Wurzeln, auch von der Schlesischen Terra sigillata. Leipzig, 1589. 4°. Gatterer II, 16; not seen.

7292. -----1592 Bericht von den wunderbaren bezoardischen Steinen, so wieder allerley gifft krefftiglich dienen, vnd aus den Leiben der Frembden Thier genommen werden: so wol auch von andern Steinen, so aus verborgener eingepflanzter Natur vnd Krafft, vnerhörte vnd vngleubliche Wirckung vorrichten. Deszgleichen von den fürnembsten edlen Gesteinen, vnbekandten hartzigen Dingen, vnd des newen armenischen Balsams, frembden Wunderkreutern, Holtz vnd Wurtzeln... vnd wie solche jnner vnd ausserhalb des Leibes zugebrauchen. Endlichen auch von der newenschlesischen terra sigillata, axungia solis genandt. Welche alle... aus India Orientali vnd Occidentali, durch Gartiam ab Horto, vnd Nicolaum Monardum kündig gemacht worden seind, darbey auch anderer gelerter medicorum Meinung mit eingesprengt, zuuo nie deutsch aussgangen itzo aber... zusammen gebraeht, durch Iohannem Wittichium medicum. Leipzig 1592.

Colophon: "Gedruckt zu Leipzig, bey Michael Lantzenberger, Anno M.D.XCII." Title in red & black.

4°: 8 p 1, 146 p; 4 1; a-b^4, A-S^4, T^6[T6 blank?]. Orn inits, tailpc. 18 cm. Not seen, taken from *Hoover Coll Min & Metall*, no 894; Gatterer II, 16; Ferguson II, 555; De Golyer Coll, U Okla.

Ferguson states that "the present work, besides a treatise on the bezoar stone, contains an account of a number of precious stones, of resins and gums, of tobacco, Mechoaca, terra sigillata, and some other things used in pharmacy."

7293. -----1601, Arnstadt, the same work published with his *Vom ligno Guajaco, der China, sassaparilla, sassafras, ligno nephritico*, etc. Not seen

7294. -----1603, Arnstadt, same. Not seen

7295. -----1612, Arnstadt. Bericht... so wol von andern Steinen, so aus verborgener eingepflantzer Natur und kraft, unerhörte und ungleubliche wirckung verrichten. Dessgleichen von den fürnehmsten Edlen gesteinen, unbekandten hartzigen dingen, und des newen Armenischen Balsams, frembden wunderkreuten... Arnstadt: Gotthard Vogelin, 1612. [6], 120, [8]p. Title in red & black. From a bookseller's catalog, May 1979. References to Wittich also in Sabin 104966 for 1859 edit; Arent's *Tobacco Catalog*, I, 34-2-b for 1589 and 1592 edits.

7296. WOBBER, DON

Jade | Beneath | The | Sea | A Diving Adventure | Don Wobber | [logo] | Pacific Grove, California [The Boxwood Press, 1975]

Cementb: viii, 136 p; front sketch map; 21 photos; 1 drawing. Stiff, col wrap, underwater scene on front; 3 col photos on back with resume. 21.5 x 13.5 cm(8 1/2 x 5 3/8 in). Cut. $3.95. LC 75-28279; ISBN 0-910286-44-2. JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; quot; fwd; 35 chs; append.

A fascinating account of Wobber's skin-diving in Jade Cove, Monterey County, California in search of boulders of nephrite, and with a lengthy account of his recovery of a gigantic mass of nephrite that weighs about 9,000 pounds. Called the "nephripod," it was removed to land under particularly trying circumstances. Almost as interesting as his physical adventures, is the author's story of his successful defense of his title to the boulder against claims of the State of California and charges that he reremoved same illegally from mineral tidelands under state jurisdiction. The book is well-illustrated and includes a brief appendix on the geology of the coastline where the jade occurs. Wobber originally was a printer in San Francisco but returned to college and later explored the waters off the Big Sur coastline of California. G M Born, p 349.

WODISKA, JULIUS(1855-)

B Königswart, Böhmen; emigrated to USA at early age; public schooling in New York City; entered jewelry industry in 1870; by 1877 began own jewelry business at 17 Bond St; in WW II devised "infallible" test for identif platinum alloys which presented free to public.

7297. -----1909

A Book Of | Precious Stones | The Identification Of Gems And | Gem Minerals, And An Account | Of Their Scientific, Commercial, | Artistic, And Historical Aspects | By | Julius Wodiska | With 46 Illustrations | In Color And In Black And White | C.P.Putnam's Sons | New York And London | The Knickerbocker Press | 1909 [title in red & black]

8°: xv, [1 blank], 365, [1 blank], [4 advert]p; extra flyleaf supplied at front; glossy col front pl with tissue bound-in + 3 other similar pls tip-in + 46 photos on 35 tip-in glossy f(there are 2 pls facing 260; a quartz crystal group pl faces 100 but is not listed). V dk blue, ribbed cloth, gold cover title surrounding a cut-out col pl(pink tourmaline crystal in matrix) pasted to cover; gold spine title. Print dj(?). 20 x 13.6 cm(7 7/8 x 5 3/8 in). Cut. Teg. $2.50. LC 9-30640. JSL.

Cont: blank flyleaf; front; tp; publ data; pref; tab cont; col pls list; other pls list; 32 chs; append; gloss; index; blank p; advert.

Generally excellent, enduring, reliable work written in popular language, and comprehensively covering the subject with the result that it passed into 9 printings that I am aware of. After a first, introductory chapter, Wodiska presents chapters on gemstone classification, descriptions of major & minor species (much of interest here!), cutting, imitation and reconstructed stones and the like, lore of gems, favorite gems of distinguished persons, gem minerals and gems in museum collections, the diamond cutting trade & personnel in the United States, and a last and long chapter on manufacture of jewelry and the place of jewelry in the Arts and Crafts Movement(Art Nouveau), with numerous illustrations of contemporary pieces made by students of New York City schools. With p 285 commence the appendix entries: alphabetical list of gemstones, important gemstones listed by color, dichroic gemstones, property tables, gemstones transparent to X-rays, carat weights by country, list of crystal systems, birthstone rhymes, and a glossary and bibliography(p 307-42, 506 entries). The bibliography is one of the few in

modern times to include so many references but was superseded by G F Herbert Smith's lists in various editions of his *Gemstones*. Of his own list, Wodiska states that it "combines two lists... compiled respectively by Mr.A.P.Griffin, Chief Bibliographer of the Division of Bibliography, Library of Congress, and Mr.Wirt Tassin [of the US Nat Mus, which see]." The list includes periodical articles. Among the illustrations, those in color are crude at best, and the frontispiece curiously depicts rough specimens of cinnabar crystals from Kweichow, China, a mineral that at the time was not even considered cuttable. Other color plates depict crystals of beryl, Mesa Grande, California tourmaline, and native golds from California. Black and white illustrations are borrowed from various sources, private and official, and on the whole are well chosen. Some of the information above was obtained from a letter from Wodiska to G F Kunz, dtd June 1, 1921(Kunz Coll, USGS Library). Several identical reprints but omitting titlepage date.

7298. -----1916(?), 2nd edit revised

A Book Of |...| In Color And In Black And White | Second Edition Revised | G.P.Putnam's Sons |...| [nd; title not in red & black]

8°: xv, [1 blank], 365, [1 blank], [2 advert]p; same ill but front is tip-in. Somewhat paler blue cloth binding, else same. Te not gilt. 19.7 x 14 cm(7 3/4 x 5 1/2 in). Cut. JSL.

An advertisement for Frank Wade's *Diamonds* mentioned the above book in the same year of 1916; despite claims of revision I have been unable to find any.

7299. -----19-(?), 6th printing. Various bindings: medium blue cloth, retaining front cover col pl, gilt spine, cover title; te also gilt but later reprints lack same. I have seen a reprint in dk green cloth, te plain. fe uncut.

7300. -----19-(?), revised 9th printing. Bright blue crosshatched cloth, only a gold title appears on cover & spine; te plain. 19.7 x 13.6 cm(7 3/4 x 5 3/8 in). Cut. No adverts(last [3]p blank). Compared to previous versions, this one is relatively uncommon and probably was struck off in small number.

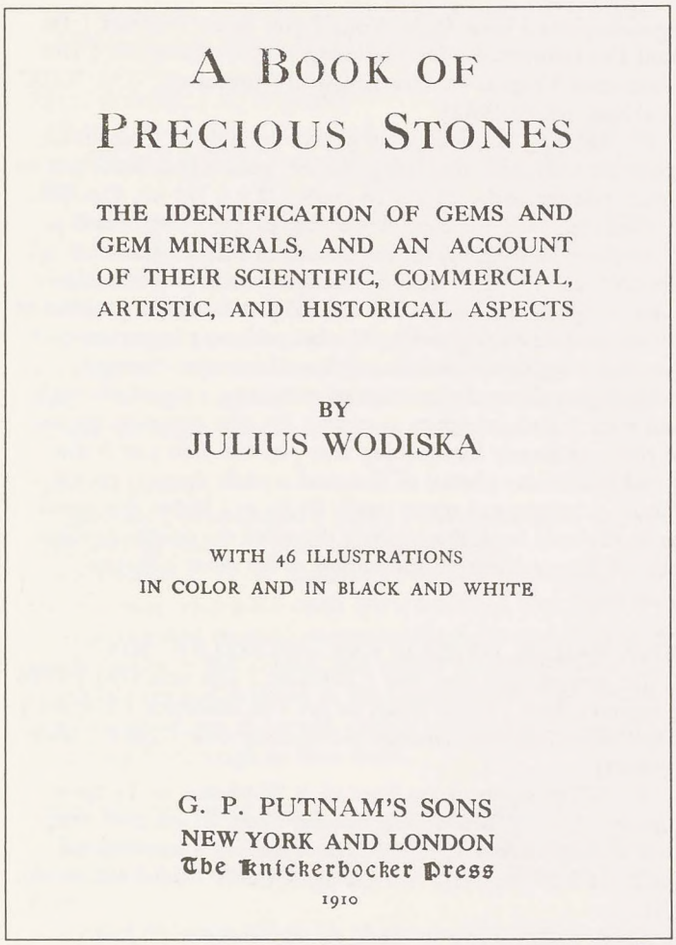
WÖHLER, L see KRAATZ-KOSCHLAU, K v

WOKITTEL, ROBERT, or ROBERTO

Ger geol, mining eng; grad Technol U Berlin 1923; prof Sch Mines Medellin Colombia; to Germany 1937-49; ret to Colombia 1951, resuming govt duties & becoming Chief, Econ Geol Sect, Ministry Mines.

7301. -----1954 Yacimientos esmeraldiferas de los municipios de Ubala, Gachala, Almeida, Macanal y Somondoco. *Republ Colombia Ministerio Minas y Petrol, Inst Geol Nac, Informe* N° 1050, Bogota, 1954. Edgestapled: blank f + 29 f. Pale yellow wrap, cloth spine. 33 x 22 cm(13 x 8 3/4 in). "Segunda Parte, Informe geologico minero;" apparently the first part, by V Mutis Jurado, was publ separately; not seen.

Describes emerald deposits in the municipalities or townships mentioned, giving geography, climate, means of communication, water power, regional geology, tectonics, history of emeralds in Colombia, the deposits as Chivor & others, summary, and a bibliography of 13 entries. This article reproduced in R A Dominguez A, *Historia de las Esmeraldas de Colombia*, 1965, which see, with a biographical sketch, p 246.



A BOOK OF
PRECIOUS STONES

THE IDENTIFICATION OF GEMS AND GEM MINERALS, AND AN ACCOUNT OF THEIR SCIENTIFIC, COMMERCIAL, ARTISTIC, AND HISTORICAL ASPECTS

BY
JULIUS WODISKA

WITH 46 ILLUSTRATIONS
IN COLOR AND IN BLACK AND WHITE

G. P. PUTNAM'S SONS
NEW YORK AND LONDON
The Knickerbocker Press
1910

7297. Julius Wodiska's book for popular consumption was an immediate success and was reprinted several times; the first issue was in 1909; title in red & black

7302. -----1960 Recursos minerales de Colombia. *Compil Studios Geol Oficiales Colombia*, Serv Geol Nac, Bogota, Tomo 10, 1960, iv, 394 p, maps. Chs on emeralds, beryl, precious stones, rock crystal, p 337-64, 2 part-tinted text maps

WOKITTEL, R, see MUTIS JURADO, V

7303. Not used.

7304. WOJTILLA, G Indian precious stones in the ancient east and west. *Acta Orientalia Hungaricae*, 27, 1973, 211-24. Not seen.

7305. WOLF, JACOB(1642-1694) Curiosus amuletorum scrutator. Frankfort 1692 (Harvard) 24272.3. "Quotes a fine array of the old writers on naturalia and lapides. Though it deals with occult properties of stones, it is largely good for bibliographical data." Not seen.

7306. WOLFS, DRIES

Het Diamantbedrijf | in zijn onderdelen | Technische beschouwingen over de | verschillende vakken en hun specifieke

eigenschappen | door Dries Wolfs | Het Ruwe Diamant | De Aard Der Grondstof | De Klassering Volgens Categorie | Het Observeren Volgens De Hoedanigheid [Antwerpen: S.M. "LUX" Drukkerij, nd, ca 1952]

8°: 109, [2], [1 blank]p; 19 photos on 8 tip-in glossy f. Dk green (or red) cloth simulating leather; gold title & small orn on cover. Pale tan endp. 24.1 x 16 cm(9 1/2 x 6 1/4 in). Cut. JSL.

Cont: tp; fwd; tab cont; 3 pts text; ps; publ data; blank p.

Written (in Flemish) for the benefit of Belgian diamond workers. The first part describes the properties of diamond, color, weights, and values. The second part treats the problem of sorting and classifying rough. The last and most important part provides a highly-detailed description of how the diamond worker goes about the business of examining a parcel of rough and sorts it into categories as cutting for gem purposes, for use in tools, or merely for crushing into powder. This part is illustrated with many photos of diamond crystals showing crystal forms. A unique and scarce work. So far as I know, this seems to be the only book that usefully describes the rough-classification of diamond crystals for cutting or for other industrial purposes.

7307. WOLFS, DRIES & VAN MECHELEN, JOS

De Bewerking | Van Het | Diamant | [cut gem orn] | 1956 | bewerkt door | Dries Wolfs en Jos Van Mechelen | Uitgave | Christelijke Belgische Diamantbewerkerscentrale (C.D.B.) [Antwerpen]

8°: 272 p; tip-in glossy front pl + 25 photos on 11 tip-ip glossy f; 152 fig, Brown-red, pebbled cloth, round gem, title, date & rules on cover; round gem & title on spine. Pale tan endp. 24 x 16 cm(9 1/2 x 6 1/4 in). Cut. Te stained red-brown. JSL.

Cont: 1/2tp; front; tp; fwd; pl; text in 4 pts; pl; index.

A large, detailed monograph (in Flemish) on the practise of diamond cutting for the instruction of Belgian diamond workers, especially the apprentices. Part I the art of cleaving crystals, II sawing, III cutting, and IV polishing. Each part covers all aspects of the arts and problems involved, gives specific instructions on how to proceed, describes all of the necessary machinery and equipment, and their uses, and furthermore enlightens the discussions with numerous clear line drawings. This work is the successor to E Jansen's *Begrippen over diamantkunde*, etc, 1923, which see, and remains an authoritative text at least in the Flemish language.

7308. WOLFSON, EVELYN

American Indian | Tools And | Ornaments | How to Make | Implements and Jewelry | With Bone and Shell | Evelyn Wolfson | Drawings and diagrams by Nancy Poydar | David McKay Company, Inc | New York [1981]

16°: xv, [1], 111, [1 blank]p; 55 photos, 41 sketches, doublep sketch map. Red paper over bds; black spine title. Yellow dj, red & black lett & other author's bks on flaps. 22.8 x 15.2 cm(9 x 6 in). Cut. $8.95. LC 80-7966; ISBN 0-679-20509-8. JSL.

Cont: 1/2tp; tp; publ data; ackn; tab cont; introd; map; tribal list; text; shell dealer list; biblio(p 106-7, 18 entries); tab; index; blank p.

Simply written in style & words suitable for the instruction of juveniles on the manifold uses of bone & shell as employed by American Indian artisans, with illustrations of the animals and shellfish from which they came, along with many photos of Indians and Indian life. Gives practical advice on how to work the materials.

WOLLASTON, TULLIE CORNTHWAITE(1863-1931)

Australian surveyor, prospector, opal merchant; b on homestead on Eyre Peninsula, S Austral; trained in Adelaide as surveyor; began opal prospecting 1888; almost single-handedly publicised beauty & value of black opal, eventually amassing considerable fortune as a merchant; formed splendid collection opalized fossils & replacements. See also W C Eyles, *The Book of Opals*, 1964, which contains extensive quot from hitherto unpubl diary, also see chs in P V Wake, *Opal Men*, 1969 on Wollaston, and T W Fluhr, *R & M*, 8, 1, 1933, 15, 18, describing Wollaston's collection which at that time was owned by Lucian Zell of New York.

7309. -----1914 The spirit of the child. Melbourne: Lothian, 1914. Not seen. A dealer's catalog described it as "foolscap 4°, 288 p., 12(advert.)p; 3 color & 7 black-and-white plates, index and "largely on opals and opal digging"," (Cat 158, no 459, Gaston Renard, Collingwood, Victoria, 1982).

7310. -----19-(?) The trial of the opal. I L Idriess states that Wollaston wrote a book of this title in which the latter describes a purchase of opals from the Little Wonder mine(*Opals And Sapphires*, 1967, p 34). I have never seen any other reference to this work and doubt that it exists.

7311. -----1924

Opal: | The Gem of the Never Never | By | T.C.Wollaston | Author of | "The Spirit of the Child." | London | Thomas Murby & Co. | 1, Fleet Lane, E.C.4 | 1924

8°: xi(first f blank), [1], 164 p; tip-in col front pl, tissue + 2 other tip-in & tissued col photo pls; 11 tip-in b&w photo pls; tip-in photo pl of a map. Gray cloth, blind rules & gold lett on cover; gold lett & rules on spine. 20.9 x 13.3 cm(8 1/4 x 5 1/4 in). Cut. White dj, with blue lett & frames, col opal photo. Price 10'6. LC 25-17564. JSL.

Cont: blank f; 1/2tp; front; tp; publ data; tab cont; ill list; note; 3 pts(4, 10, 5 chs).

One of the most important books ever written about precious opal, especially about the black opals of Australia which at first were almost universally treated with suspicion and disdain by gem dealers and only through the efforts of Wollaston were they brought into favor. The first part lays the groundwork of geology & mineralogy of the Australian opal deposits, pointing out their special features and leading to the second part which describes how prospecting is conducted and mines developed. The last part talks of notable characters in the opal fields. All of it is highly readable and informative, with valuable first-hand information that every future work on Australian opal must consider before going to press. Copies are constantly in demand but now almost unobtainable. The color plates are opal specimens while the slightly brown-tinted photos are scenes in the back country(the "Never-Never") and upon the opal fields.

7312. -----1924, altered issue P[ix-x] omitted; ill list omitted inasmuch as the color plates were omitted; same cloth, but rules & lett on cover omitted; otherwise identical. JSL.

7313. WONG, K C Ancient jades; marvels of Chinese civilization with explanatory notes and illustrations. 40 pp. 20 plates.

Excerpted from "Literature and Art," cloth bound, circa 1890. Foregoing from Malcolm Gardner, London, Cat 1959; not seen.

7314. WONG COLLECTION

The | Wong Collection | Of | Ancient Chinese Jades | Bluett | Sons | 48, Davies Street | London, W. [nd, ca 1930]

4°: IX, 35, [3 blank]p; tip-in front glossy col pl with tissue; 21 photos on 16 tip-in and bound-in glossy f. Stiff, yellow wrap, black lett on cover. 24.9 x 18.3 cm(9 3/4 x 7 1/4 in). Cut. Wraps overlap text. JSL.

Cont: 1/2tp; front; tp; fwd; note; cat; gloss; 3 blank p. Errata slip.

The foreword briefly describes the various forms and meanings of carved jades and includes the interesting note that "the nucleus of it [the collection] was inherited by Mr.Wong from his forefathers and it was this nucleus or a portion of it which was used as material for "Investigations into Ancient Jades with Illustrations" published in 1889 by the well known scholar and stateman Wu Ta-ch'eng." The collection contained 527 pieces, each very briefly described. The photos are of single or several items mostly designed to show the scope of the collection; many of the finer examples are not shown. G M Born, 355; Yang 1123, 2022.

7315. WOOD, D L & NASSAU, K The characterization of beryl and emerald by visible and infrared absorption spectroscopy. *Amer Min*, 53, 5/6, 1968, 777-800, 10 fig, 5 tab, 51 ref. Studies color centers caused by differences in element content in the structure; used polarized radiation in visible, UV and IR; includes most important color phases of beryl. This article is followed by a shorter article on the red beryl of Utah, 801-6.

7316. WOOD, JUSTIN A series of descriptive, promotional booklets published in New York, probably at the expense of J R Wood, eminent jewelers at the time. The copyrights, dated either 1923 or 1924 are "By Justin Wood," without further information. All are quite uniform as follows. Centerstapled: charcoal gray or pale brown thick paper wrap(overlapping text), 15.3 x 11.2 cm(6 x 4 3/8 in). Cut-out glossy col pl of carved or cut gems loose or in mountings, 4.3 x 4.5 cm(1 3/4 x 1 3/4 in) pasted within a black frame on cover, with title of gemstone(s) below. Pale tan, charcoal-type text paper; orn init, orn numbers; oval colophon last p(but not always). Text paper size 14.6 x 10.7 cm(5 3/4 x 4 3/16 in). Cut. Commonly printed on first page with name of jewelry firm to which pamphlet sold in quantity. The following were examined; there may be others

a The Diamond, 15, [1]p, woodcut, 1924
b The Ruby, 14, [1 blank], [1]p, 1924
c The Emerald, 15, [1]p, fig, 1924
d The Sapphire, 14, [1 blank], [1]p, 7 fig, 1923, 1924; the 1923 issue also with different wrap & different cover picture which is not paste-on
e The Pearl, 12, [1 blank], [1]p, woodcut, 1924
f Opal | Tourmaline, 15, [1]p, 3 fig, 1923, 1924
g The Topaz, 11, [1]p, 2 fig, 1923, 1924
h Garnet | Coral | Alexandrite, 14, [1 blank], [1]p, 2 cuts, 1923, 1924
i Amethyst | Jade, 15, [1]p, 2 cuts, 1924
j Bloodstone | Aquamarine, 15, [1]p; 3 fig, 1924
k Turquoise | Lapis Lazuli, 15, [1]p, 3 cuts, 1923, 1924
l "Phenomenal" Gems, 15, [1]p, 1924

7317. WOOD, J R, & SONS

Facts | About The | Diamond [in single-rule frame on cover; compiled by J.R.W. & Sons, Diamond Cutters, New York, 1903]

Centerstapled: [1], [1 blank], 24, [2 blank]p; 3 woodcuts, 19 fig. Pale brownish-red paper wrap, which may be plain or overprinted with a firm name buying these pamphlets in quantity. 14.9 x 8.8 cm(5 7/8 x 3 1/2 in(. Cut. JSL.

Promotional pamphlet issued by Wood or sold to dealers in diamonds who can then have their names placed upon the wrap cover. The text is a general presentation giving the principal facts on sources, origin, mining, recovery, cutting, etc.

7318. -----1914

Diamond | Information | [rule] | Compiled and | Copyright, by J.R. Wood & Sons [np, nd, ca 1914]

Centerstapled: 19, [1 blank]p; 11 photos. Red-brown wrap, title on cover. 15.5 x 8.5 cm(6 1/8 x 3 3/8 in). Cut. JSL.

This pamphlet contains promotional information, a little on rough diamonds and sources, but mainly emphasizes how diamonds are cut and polished in the United States. The photos depict rough & cut diamonds, cutting machinery, steps taken in processing from rough to final finish.

7319. WOODARD, BRUCE ALBERT(1900-)

Diamonds | In The Salt [sketch of miner digging] | Bruce A.Woodard | Published by Pruett Press [dot] Boulder, Colorado [1967]

8°: xi, [1 blank], 200 p; 34 photos on 12 bound-in glossy f; ch orns. Pale, grayish-blue cloth, title & sketch of miners on cover; title & logo on spine. Col dj, same drawing as on cover; resume, vita. 22.8 x 15.2 cm (9 x 6 in). Cut. $6.75. LC 67-25697. JSL.

Cont: tp; publ data; dedic; pref; ackn; tab cont; 18 chs; biblio(p 179-87, ca 200 entries of all types); index.

Woodard presents the culmination of "eight years of effort including reading 114 books, reviewing 46 newspapers on microfilm, writing over 700 letters, and traveling extensively" (dj), to ferret out the information needed to provide an accurate view of the events that surrounded the famous Diamond Hoax of 1872, in which two enterprising Kentuckians audaciously "salted" a small area with diamonds and other precious stones in what Woodard believes to be northwestern Colorado rather than Arizona as is commonly supposed. The book follows the careers of the two perpetrators, Arnold and Slack, from childhood to their successful attempt to hoodwink investors into buying rights to the "discovery." It also describes the other principals involved, and also tells of the role of Clarence King and Samuel F Emmons of the U S Geological Survey who exposed the fraud. This is the definitive work on the subject, written authoritatively yet in interesting style and fully documented. See also Harpending & Wilkins, *The Great Diamond Hoax*, 1913. Rev *G & G*, 12, 10, 1968, 321-22.

WOODHOUSE, C M, see LOCKHART, J C, 1963

WOODMAN, HANNAH J

Allibone, 3, 2929: "a native of Boston...teacher in that city...published The Casket of Gems, Sibylline Leaves, or Mirror of Fate, and some other volumes...See Griswold's Female Poets of America, 310; Read's Female Poets of America, 393."

7320. -----1845

The | Language Of Gems, | With | Their Poetic Sentiments. | By | Miss H.J.Woodman. | Whatever God hath made, |...[5 more lines of poetry]...| Boston: | A.Tompkins And B.B.Mussey. | 1845. [all enclosed in ruled frame]

8°: 160 p; printer's orns on each page foot from iv to 156, and on 160; all text enclosed in single-rule frames with top compartments for headings & p nos set off with rules. Brown, elaborately blind-stamped covers; gold orn on front cover; gilt spine title with entire spine ornamented in scrolls, flowers, all gilt. Pale yellow endp. 11.5 x 7 cm(4 1/2 x 2 3/4 in). Aeg. JSL.

Cont: blank f; tp; publ data; pref; dedic; text; gems index; blank f.

The text is largely a series of poems headed up by short descriptions of gemstones thought to be appropriate to the sentiment expressed in each. The information was obtained from *Encyclopaedia Americana* and L Feuchtwanger *Treatise on Gems*, edition not stated, but noting that "many stones here introduced, cannot, strictly speaking, be called precious; but they are all used in jewelry, and have some value and beauty." The Preface notes also that other writers contributed original poems, of which "many... have never before appeared." The gemstones begin with agate and end with zircon, and include such unusual species and varieties as apatite, axinite, "bottlestone", here referring to a variety of tourmaline rather than to moldavite, chlorophane, haüyne, hypersthene, lepidolite, natrolite, "Rock of Gibraltar," or limestone, among others. This interesting work was reprinted in 1847, but in 1848 it was issued with a colored half-title, gilt.

7321. WOODRUFF, HARRY L

The | Gem | Color Chart | by Harry L.Woodruff | Consulting Gemologist [Washington, D.C.: The Woodruff Co, 1959; front cover title]

Centerstapled: 24, [2]p, including front but excluding back cover. Front paper cover pink with gem & lett; back cover white. 27.8 x 21.4 cm (11 x 8.5 in). Cut. JSL. Property data on gemstones in tables according to color.

7322. WOODWARD, CHRISTINE & HARDING, ROGER

Gemstones [London: British Museum(Natural History) 1987]

Sewn in 12's: 59, [1]p; ca 200 col photos & diagrs. Plasticized glossy wrap, cover title only, col photos all surfaces. 19.8 x 21 cm(7 3/4 x 8 1/4 in)" Cut. £ 4.95. ISBN 0-565-01011-5. JSL.

Cont: cover title; introd; text; index; publ data; USA gemstones.

Outstanding photographs, diagrams, an interesting and authoritative text, and attractive design combine to form a pamphlet that surpasses most every other similar museum guide. The stones and manufactured objects are mostly in the British Museum (Natural History) collections while many others are in the superb collection of the adjoining Geological Museum, South Kensington, London. The inside back cover, in a gesture of friendship, depicts several larger and more important gems in the U S National Gem Collection, Washington, DC. The preliminaries provide a brief history of the collections, history of gems in general, what gemstones are, the bases for attraction & esteem, properties, color, and cutting & polishing. The body of the work is devoted to descriptions and remarks on gemstones, beginning with diamond, and taking in most important and many minor species, and including stones for carving, ornamental stones, organics, synthetics, and inclusions in gemstones. Near the end the origin of gemstone deposits is explained and a doublepage map shows major sources. There is also a brief explanation of gem identification procedures and remarks on some famous gems.

7323. WOODWARD, DAVID H E

3 | Gems | From The City | By D.H.E.Woodward [Birmingham: The Emerald Charitable Foundation of Great Britain, 1984]

8°: 80,[4 blank]p; col photos & drawings on 6 text p, each p printed with a yellow ground; 2 text drawings. Dk blue cloth, gilt cover & spine titles. Col dj. 20.9 x 14.8 cm(8 1/4 x 5 3/4 in). Cut. JSL.

Cont: quot; publ data; tp; dedic; note; pref; tab cont; pls list; text; gloss; biblio(p 77-80, 17 entries); 4 blank p.

On the basis of crossed-polaroid, microscopic examinations of grains of the twelve foundation stones of the Bible's Celestial City, which all displayed anisotropy as compared to other stones that are isotropic, the author concludes that this cannot be a coincidence and suggests that the stones were chosen by an "extra terrestrial messenger," presumably one who had the necessary optical equipment to make the choices because the Biblical era personnel certainly did not. He describes his experiments and gives advice to readers on how these may be repeated for themselves. At the end, in a superficial, poorly coherent, and not always accurate manner, he discusses aspects of mineralogy, crystallography, optical mineralogy, gemstone deposits, and other topics which seem included to flesh out a meager speculation.

WOODWARD, JOHN (1665-1728)

Brit physician, naturalist, geologist; b Derbyshire; medical studies London 1684-95, MD Cambridge U; at early age interested himself in fossils & minerals; most notable work, and still worthy of perusal, *An Essay Toward the Natural History of the Earth*, 1695, in which he recognizes strata and fossils representing past life but deposited according to relative specific gravities after the destruction of the Great Deluge. DNB.

7324. -----1728

Fossils | Of all Kinds, | Digested into a | Method, | Suitable to their mutual | Relation and Affinity; | With | The Names by which they were known | to the Antients, and those by which they | are at this Day Known: And Notes con- | ducing to the setting forth the Natural | History, and the main Uses, of some of | the most considerable of them. | As Also | Several Papers tending to the further Advance- | ment of the Knowledge of Minerals, of the | Ores of Metalls, and of all other Sub- | Terraneous Productions. | [double rule] | By John Woodward, M.D. late Pro- | fessor of Physick at Gresham College, | Fellow of the College of Physicians, and the | Royal Society. | [double rule] |

London; | Printed for William Innys, at the West- | End of St.Paul's. M.DCC.XXVIII.

4°: xvi, 56, 92 p + [3], [1 blank]p + p 93-131, [1 advert]p; A^4, a^4, B-T^4, U^6, X-Aa^4, Bb^2; discontinuity in sig U seems due to addition of two leaves, possibly to correct an oversight which omitted the "Preface" now appearing on unnumb pages between p 92-3; fold tab faces p [1]; 7 engrav pls(one fold) bound-in; woodcut ch orns, inits. 19.3 x 11.7 cm(7 5/8 x 4 5/8 in). Cropped. JSL. Agassiz IV, 583.

Cont: tp; pref; tab; text & letters tp p 92; pref(2 unnumb f); note (p 93-107); appends(107-l4); appends to previous pp; addition(p 120-6); indexes; advert.

In a quite remarkable essay which forms the Preface, Woodward extols the mineral wealth of Britain, pointing out its production of the useful metals as tin, lead, iron, and copper, and especially noting its resources of fuller's earth which he claims is responsible for the preeminent position of the domestic wool manufactory. Also singled out for praise are resources of jet and amber, and various gemstones. The Preface closes with a summary of contents. Next appears a folding table, perhaps the most important single feature of this work because of its presentation of a scheme of classification of mineral substances which Woodward apportions among six classes, from earths to metals, and including in the second class the "durable" stones, that is, the precious gemstones, and also those gemstones that are opaque, translucent, or transparent respectively. Among the less valuable gem materials included in this section are "Stones," eg, alabaster, marble, ornamental rocks, nephrite, malachite, "root of the emerald" or prase, lapis lazuli, many quartz varieties, etc, with footnotes citing older authorities who describe or mention same. For the most part, this class is nearly all devoted to gemstones and rewards reading due to the abundance of interesting footnotes and asides.

In the second part of the work, given its own pagination, Woodward reproduces letters written to Sir Isaac Newton and Sir John Hoskyns(1634-1705), which generally discuss classification problems and nomenclature, the second of these, and the much longer letter discussing true fossils mostly. In a third letter, conmencing on p 24, Woodward treats the "cerauniae" or as he positively identifies them, the "stone-weapons," about which much speculation had raged, and in the same place gives a series of engraved plates that depict examples of same. He criticizes Dr Lister(Martin L, 1638-1712), and others, who were unshaken in their belief that cerauniae were true fossils, and even were artifacts of man grown in situ by celestial intervention. In this section Woodward also includes certain gemstones to which were ascribed magical properties, among them, British quartz pebbles, several depicted upon the first plate. Other magical stones, including some gem varieties, are also critically examined and properly identified. The remainder of the book is notable for a letter urging the systematic and scientific collecting of natural history specimens and giving in detail those precautions that should be observed in the field to insure the safety of the materials and then what steps should be taken later to preserve them. Another letter discusses belemnites and is illustrated with a plate.

The importance of Woodward's treatise is manifest, from the standpoint of the mineralogist it provides a scheme of classification of as much merit as it was possible to accrue in that time, and from the standpoints of the paleontologist and gemologist it truly identifies fossils for what they are, also figured stones to which all sorts of superstitious beliefs had been attached, and dismisses the supposed magical powers assigned to certain gemstones.

7325. -----1729

An | Attempt | Towards a | Natural History | Of The | Fossils of England; | In | A Catalogue of the English Fossils | in the Collection of | J.Woodward, M.D. | Containing | A Description and Historical Account | of each; with Observations and Experiments, | made in order to discover, as well the Origin | and Nature of them, as their Medicinal, Mecha- | nical, and other Uses. | [rule] | Part I. | Of the Fossils that are real and natural: | Earths, Stone, Marble, Talcs, Coralloids, Spars, | Crystals, Gemms, Bitumens, Salts, Marcasites, | Minerals, and Metals. | [rule] | Tome I[-II]. | [rule] | London: Printed for F.Fayram, at the Royal Exchange; J.Senex, in | Fleet-Street; and J.Osborn and T.Longman, in Pater- | noster-Row. M.DCC. XXIX[-M.DCC.XXVIII]. [vol 2 date appears to be in error]

I.: 8°: xvi, 243, [1 blank]p + viii, 115, [1 blank]p. II: iv, 110, [2 blank]p + iv, 52p + iv, 33, [1 blank]p + vi, 21, [1 blank]p + [2], 15, [1 blank]p. Sigs are continous through both vol: A-Uu^8. 19.6 x 12 cm(7 3/4 x 4 3/4 in). Cropped. JSL. LC 12-7231.Agassiz IV, 583.

Cont: I: tp; publ pref; pref; gen index; text; blank p; tp(Pt 2); blank p; index to whole; subjects index; pref; text; blank p. II: tp, blank p; pref; gen index; tab cont; text; blank f; tp(Pt I.); blank p; subj index; text; tp(Pt 2.); author's note; subj index; text; blank p; tp(to an"Addition..."); blank p; pref; subj index; text; blank p; tp(to abother "Addition"); subj index; text; blank p.

The celebrated catalog of Woodward's collection, both large in size and varied, and "procured from all the known Parts of the Globe, with Trouble and Expence more than sufficient to discourage any other body from attempting a [similar] Work." In its complexity, we may discover details on thousands of specimens of fossils, minerals, and rocks, whose overall size cannot be appreciated from the pagination alone inasmuch as a very small type was used in its printing, thus compressing an enormous amount of information into a physically small book. Further to be discovered is the fact that Woodward collected everything derived in some way from Earth's crust, not being above inserting into his cabinet such mundane things as sand, gravel, and pebbles, not to mention a large variety of rocks and animal & vegetable fossils. As in his previous work above, Woodward provides his classification scheme in Tome I upon which he sorted out his specimens, from earths, to metallic ores, and listing and briefly describing each piece, often with fascinating details and comments, both his own and those taken from other authorities. This first part is followed by a catalog of British fossils, with own titlepage, these being "extraneous" or true fossils as we recognize them now. Additional domestic fossils appear in another catalog, again with own titlepage, commencing Tome II, with the date of 1723, which appears to be in error inasmuch as the entire work is signed continuously, and suggests an unbroken process of composition in the printer's shop. Again the specimens are largely minerals and rocks but include a few true fossils. Following this is still another catalog, also with own titlepage, listing specimens obtained from abroad, that is, countries of Asia, Africa, the Americas, and various European countries. This comprises a first part and is followed by a second part, with own titlepage, on true fossils obtained

from overseas sources. The last two parts are additions, and again with own titlepages. Taken as a whole, Woodward's collection was not rich in gem- or ornamental stones but by some diligence one may frequently find references and examples of same.

7326. WOODWARK, T H The rise and fall of the jet trade. *The Ninety-Ninth Rept Whitby Liter & Philos Soc*, General Mtg, Oct 28, 1921, 25-34, photo(portr medallion in jet). Grayish-green print wrap, 21.3 x 14 cm(8 3/8 x 5 1/2 in). Printed in Whitby, England by Horne And Son, Ltd. (1922). JSL. After a few opening remarks on the nature of jet, Woodwark devotes most of the text to the history of the Whitby jet industry during the last half of the 19th century.

WOOLF, BELLA SIDNEY (Mrs Wilfred Thomas SOUTHORN)

Sister to Leonard Sidney Woolf(1880-), joining him in Ceylon when he was Govt Agent, 1904-11, and for a time Koddu Supt of the Pearl Fishery; his experiences in the fishery are recounted on p 86-98 of his *Growing, An Autobiography of the Years 1904-1911*, London, 1967. It was in this period that our author acquired her firsthand knowledge of the pearling industry.

7327. -----1925

Fishing For Pearls | A Pictorial Record of the Pearl Fishery | 1925. | [dot rule] | By | Plâté Limited | With Letterpress By | Bella Sidney Woolf (Mrs.W.T.Southorn) | [orn rule] |...[5 lines quot]... [np, nd]

Oblong pamphlet, knotted loop of greenish-brown cord tying together 15 leaves of thick, tan paper; 15 actual photo prints, cut-out & mounted, showing fishery scenes. 20.1 x 26.4 cm(7 7/8 x 10 1/4 in). Thick, pale grayish-brown wrap, actual photo print of circular form cut-out & mounted on cover, with lett stating, in part, "A Souvenir Of The Pearl Fishery Held at Marichchukaddi, in 1925." Wrap size 21.5 x 27 cm(8 3/8 x 10 3/4 in).

Extremely important and rare record of the fishery, the first to be held in Ceylon after 19 years, and "opened in February under the supervision of Mr.F.J.Smith, (Government Agent, Northern Province), Dr.Pearson, D.Sc., (Marine Biologist to the Government of Ceylon), Captain Kerkham, R.N.R., and MR.A.H.Malpas." The text describes fishery operations in welcome detail, including the processing of oysters, removal of pearls, sales of oysters and/or pearls, drilling of pearls, etc. The sepia-tinted photos are very sharp, high quality prints; many are reproduced in Woolf's article on pearling in *National Geographic*(see below).

7328. -----1926 Fishing for pearls in the Indian Ocean. *Nat Geogr*, 49, 2, Feb, 1926, 161-83, 24 photos.

7329. WOOLF, DAVID H

Investing | in | Diamonds | By David H.Woolf, FGA

Cover title; publ & printed by Caxton Ltd, New Doornfontein, Johannesburg, South Africa, copyright 1977.

Centerstapled: 24 p; 17 col photos, 5 col diagrs. Thick, glossy wrap, col photo of hand & diamond on cover; view of mine interior & diamond crystal back cover; introd & tab of currency exchange rates inside front on black & yellow vertical panels; author photo & vita inside back cover on similar panels. 23 x 17 cm(9 1/8 x 6 5/8 in). Cut. JSL.

Cont: cover title; introd & currency info; tp; publ data; fwd; text; photo & vita inside back cover.

Brief but adequate discussion of the production, marketing, and price control exercised by the De Beer's organisation, classification of cut gems, investing & selling diamonds, and with a general chapter discussing the value of stones cut in older styles, synthetics, means of identification, and comparing other precious stones to diamonds in terms of investment values.

WOOLLEY, ALAN, see O'DONOGHUE, M, et al, 1976

WOOLSON, I H, see BISHOP, H.R., 1900

7330. WOOSTER, NORA

N.Wooster | Semi-Precious | Stones | With Sixteen Coloured Plates by | Arthur Smith | [orn] | Penguin Books | Harmondsworth. Middlesex | 1952 King Penguin Books No 65.

8°: 31, [1] p; 16 col drawings on 8 bound-in stiff paper f. Bright, malachite-pattern paper over bds; title in white frame on cover; similar frame, etc on spine with small penguin orn. Similar dj; resume; other bks in series. 17.9 x 12 cm(7 x 4 3/4 in). Cut. 4s 6d. JSL. LC 54-35992.

Cont: ser tp; tp; publ data; text; ackn; biblio(8 entries); pls.

A handsome, beautifully-illustrated slender book in the enduring King Penguin series of England. It is largely devoted to curious lore but furnishes brief remarks on lapidary treatment and descriptions of the following gem- and ornamental stones: alabaster & selenite, amber, coral, fluorite, iron pyrites, jade, lapis lazuli, malachite & azurite, quartz varieties, and turquoise, but not all are depicted on the watercolor plates. "The choice of the stones...is arbitrary, preference being given to those with curious legends or those that lend themselves to providing interesting coloured plates." For the most part the plates are faithful representations skilfully drawn. Rev *The Gemm*, 22, 263, 1953, 109.

WORLIDGE, THOMAS (1700-1766)

Brit artist; stud art under Alessandro Maria Grimaldi(1659-1732), also under L P Boitard; settled in London 1740; successful portraitist fashionable society figures; in later years, concentrated upon etching, esp in the manner of Rembrandt; last major achievement pls for the below volume. DNB: "was chiefly known for his etchings after antiques, particularly gems, and the style he developed was known as the 'scritch-scratch manner.' He did copies of the Old Masters, particularly Rembrandt, and minatures in ivory." H Hammelmann, *Book Illustrators in 18th Century England*, 102.

7331. -----1768 A select collection of drawings from curious antique gems, most of them in the possession of the nobilaty and gentry of this kingdom, etched after the manner of Rembrandt by T.Worlidge, painter, printed by Dryden Leach for M.Worlidge, Great Queen Street, Lincolns Inn Fields; and M. Wicksteed, Seal-Engraver at Bath, MD. CCLXVIII. 8°.

DNB, p 2325, "Worlidge's last work was a series of 182 etchings of gems from the antique (three are in duplicate). The series was published in parts, some of which seem to have been issued as early as 1754[*], but Worlidge died before the work was completed. It was finished by his pupils William Grimaldi...and George Powle, and, being printed on satin, was published by his widow in 1768 at the price of eighteen guineas a copy. In its original shape the volume bore the title... [given above]."

*Both C W King, *Antique Gems and Rings*, I, 469, and A Furtwängler, *Die antiken Gemmen*, III, 418, give the dates as 1754-1757, perhaps based on the fact that the engraved self-portrait of Worlidge, showing him etching the portrait bust of Pomfret's Cicero, and behind him, an easel bearing a drawing of second wife, Mary, was signed & dated 1754. Further, DNB states, "no letterpress was included originally in the volume, but between 1768 and 1780 a few copies were issued with letterpress. After 1780 a new edition in quarto [see below], deceptively bearing the original date of 1768, appeared with letterpress in two volumes at five guineas each. The titlepage omits mention of 'M.Wicksteed's' name, but is otherwise a replica of the first [**]. Some of the old copper plates (108 in all) were reproduced in 'Antique Gems', etched by T.Worlidge on Copper Plates, in the possession of Sheffield Grace, Esq.,' London, 1823, 4to(privately printed) [see below]."

**My copy, described below, does bear Wicksteed's name on the titlepage, which, unfortunately, further compounds the enormous confusion that surrounds this publication and casting doubt that few bibliographic descriptions, including my own, can be fully relied upon. In this connection, a German bookseller's catalog of April, 1973, described a copy for sale as "WORLIDGE, TH., A specimen of a select collection of drawings from the most curious antique gems...London, D.Leach," with what appear to be the earliest recorded dates, namely 1766-68, and giving 180 engraved plates, 4°: 16 leaves, 4 numbered leaves(subscription list). "Der Text besteht in einer Probennummer, die zugleich Einladung zur Subskription ist." A prospectus for the work also appeared in Marlborough Rare Books, London, Catalogue No 108, 1984, 136, which was collated as 4to, title, pp.3-15, 4 ff, subscribers, 5 engrav pls, orig marbled wrappers, London, for the Author, 1766.

In contrast, Lowndes, Pt X, 1865, does not mention the 1768 edition above, instead giving for the reprint edition, "Select Collection...Lond. Printed by Dryden Leach for M.Worlidge, 1768, 4to, 2 vols," and "although this edition bears the date of 1768, it was nevertheless printed after 1780, having been ante-dated that it might appear under the date at which the plates were originally issued, though then without letterpress. A copy of the true edition of 1768 (without letterpress), printed on satin... other copies of the true edition of 1768, all of which are without text, and printed in 8vo. or small 8vo., sometimes in one volume, but oftener in two or three... there are, however, copies of this original edition which have a letter-press added, evidently of an earlier date than what was printed in 1784." Lowndes collation is: "180 plates, besides portrait of Worlidge and head of Medusa as frontispieces. To some copies is added a supplemental plate of Hercules slaying the Nemaean lion, which has no inscription and is not numbered. *Letterpress* - Title, one leaf; List of Subscribers, 1 leaf; Preface and Catalogue of Drawings of Antique Gems, pp.48, with a half-title to the 2nd volume. Some copies have French letterpress...Reprinted, Lond. 1823, 4to. - Large Paper, imperial 4to." See also Brunet V, 1477; Nagler XXV, p 39; Thieme-B. XXXVI, p 254; Vinet 1631.

In 1967, I examined a copy of the first edition on satin in the shop of H M Fletcher, Cecil Court, London, collated as follows: Vol I - 2 blank f; engrav portr pl; title f; 4 f subscribers; 7 p pref; blank f; p 9-48 (cat of gems); blank f; pls 1-89(each separated by a leaf of thin paper); 2 blank f(not including endp). Vol II - 2 blank f; engrav Medusa f; title f; blank f; gems 90-180(as before); 2 blank f. Each pl printed on satin, the images ca 7.5 x 5.25 cm. Fletcher's card entry noted "each of the 183 pls. is printed on pale gold satin, laid on large paper [33 x 24 cm, or 13 x 9 1/2 in], with washline border to each; Titlepp. have 5 line border in gold heavily impressed... I had a similar copy two years ago... which had the titlepp., list of subscribers and text inlaid to size... this is the only copy I can trace with the text printed on large paper." Cicognara 3073. Zazoffs, *Gemmensammler*, p 179, who note that the book was widely distributed because, among many others, the King and Queen of England subscribed to the two-volume set and as a consequence the book has no rarity."

7332. -----1768, Fr Edit Collection choisie de desseins tirés des pierres precieuses antiques... gravés dans le goût de Rembrandt. Londres, Imprimé par Dryden Leach, pour M.Worlidge,... et J.Wicksteed, Graveur...1768. 2 vols, 4°, [1]f, 48 p. Front self-portr + 90 pls; [1]f title, [8]p, list of subscribers, front & 90 pls. 182 fine etched pls with guards. Specially bound. Not seen, from a circular issued in 1977 by Zeitlin & Verbrugge, booksellers, Los Angeles, Calif, who further state that "the only other copy found with French letterpress is a copy in the British Museum Catalogue with the "rare original edition"."

7333. -----1768[recte, post 1780], new edit

A | Select Collection | Of | Drawings | From | Curious Antique Gems; | Most Of Them In The Possession Of The Nobility | And Gentry Of This Kingdom; | Etched After The Manner Of Rembrandt. | By T.Worlidge, Painter. | London: | Printed By Dryden Leach, | For M.Worlidge, Great Queen Street, Lincoln's-Inn-Fields; | And M.Wicksteed, Seal-Engraver At Bath. | MDCCLXVIII.

For explanation of erroneous date see comments of Lowndes above.

4°: Vol I: [12], 48 p; $[a]^2$, b^4, B-G^4; tip-in engrav portr front pl, tissue; Pls 1-90, each with tissue, bound-in after text. Vol II: [1], [1 blank], [1], [1 blank]p; pi^4; engrav front of Medusa, tissue; Pls 91-180, + Hercules & Lion pl, all with tissues bound-in. The Hercules pl is unnumb and not described. 27.9 x 22.5 cm(11 x 8 7/8 in). JSL.

Cont: Vol I: 1/2tp; front; tp; subscribers list; pref; cat; pls. Vol II: 1/2tp; front; tp; pls.

C W King, *Antique gems and Rings*, 1, 469, "an extensive series of 179 [sic] plates...reproducing the most noted gems of all English cabinets then existing, more particularly of the Marlborough. These plates, though displaying incredible labour, are often inferior to the Spilsbury in catching the spirit of the originals, and the descriptions placed below are for the greater part a set of the most ludicrous misnomers." A footnote states that "some of them (e.g. The Reposing Hercules) show traces of considerable retouching. Clarac can find no terms sufficiently strong for the condemnation of drawing, style, and execution, equally, of these plates." On the other hand, Furtwängler, *Die antiken Gemmen*, 3, 418, possibly to differ with King as one suspects, believes that the manner of execution was meant to please the tastes of English nobility rather than faithfully portray the gems, and hence are "independent, charming works of art."

7334. -----1823

Antique Gems | Etched By | Worlidge, | On Copper-Plates, | In The Possession Of | Sheffield Grace, Esq., F.S.A. | In tenui labor: at tenuis non gloria.- Virg. | Graios quicquid agunt, quoquo vestigia vertunt, | Componit furtim subsequiturque decor. - Tibul. | London: | MDCCCXXIII.

Priv publ?; printed by Weed and Rider.

4°: [2 blank], 14p + [109]f each with engrav recto. 24.3 x 16.1 cm (9 5/8 x 6 1/2 in). Cropped. USGS Kunz Coll, GS 33-236; JSL.

Cont: blank f; tp; print data; dedic; catalog; pls,

Republication of earlier Worlidge plates with catalog briefly describing the subjects. Malcolm Gardner, bookseller of London, Catalog of Mar 1959, had a copy in "uncut large paper," 4to, 14 p, 2 portraits, 106 pls. There is also an extra-illustrated issue in the USGS Kunz Collection, Grace's own copy, with portrait engraved plate of Grace, tissue, and engraved coat-of-arms with tissue bound-in ahead of title; bookplate on reverse of title, following which is an engraved portrait plate of Sir William Grace, tissue, and a bookplate on the inside back cover. 24.3 x 17.3 cm(9 1/2 x 6 3/4 in). Teg, be & fe untrinmed. 1/2 red morocco, mbled sides, mbled endp. Sheffield Grace (1788?-1850), antiquary, historiographer; DNB.

WOROBIEFF, V VON, see VOROBYEV, V

7335. WORSFOLD, W BASIL South Africa. London: 1895. 8°: cloth, 308 p. Ch 8 on diamond mines. Not seen.

7336. -----1897, 2nd edit

South Africa | A Study In Colonial Administration And | Development. | By | W.Basil Worsfold, M.A. | Of University College, Oxford; And Of The Middle Temple, | Barrister-At-Law | Second Edition, Revised | Methuen & Co. | 36 Essex Street, W.C. | London | 1897

8°: xii, 308p + 39, [1]p adverts. Color-outlined fold map of S Afr & provinces tip-in; 4 text fig. Dull green cloth, gilt spine title. 19.5 x 12.8 cm(7 5/8 x 5 in). Uncut.

Cont: 1/2tp; map; tp; prefs; tab cont; 14 chs; historical summ; statistical append; text of Convention of London; publ cat; blank p.

Ch 8, 136-51, is on the diamond mines, providing a general view of the deposits, their exploitation, and other details.

WORSLEY, RICHARD, 7th Baronet(1751-1805)

B Isle of Wight; educ Winchester Coll; matric Corpus Christi Coll, Oxf 1768; succ father as 7th baronet 1768; 1779 apptd Controller, King's household; Britain's Resident Venice; during 1785-7 extensive travels Near East & coll large quantity antiquities; Governor Isle of Wight; MP various terms 1774-1801; Fellow Roy Soc Antiquaries.

7337. -----1794-1802 Museum Worsleyanum... [priv publ, see below]. Not seen. Lowndes p 2995-6 notes that "of this work 200 copies of vol.I. and 100 copies of vol.II were printed, none of which were ever sold during the life of the author. The expenses attending this publication including the author's travels, are said to have amounted to 27,000 £. An ample analysis and collation ...is given in Savage's *Librarian*, vol.1. 97-116, 145-67, and 193-211. Some copies have a letter of the Cambridge University to Sir R.Worsley, printed either on paper or vellum, and prefixed to the first volume or appended to it." Dibdin, *Bibliomania*, 1842, 532, notes that the first volume was finished in May, 1793, and circulated, with the plates only of volume 2, amongst the chosen friends of Worsley, and "from the irregularity of delivering the second volume of plates, in the first instance, without the letter-press, many of the copies are incomplete." According to DNB, Worsley issued the first part(dated "1794") in 1798, and the second in 1802, and "E.Q.Visconti seems to have supplied a great deal of material for the text." The cost of part 1, exclusive of binding was 2,887 £ 4 s. About this and the second edition below see also Vinet 1485, Brunet, 5th edit, v(1864) 1478, Allibone, 3, 2851, and Goodland, 660-1.

7338. -----1824

Museum | Worsleyanum; | Or A Collection Of | Antique Basso-Relievos, Bustos, | Statues, And Gems; | With | Views Of Places In The Levant. | Taken On The Spot | In The Years MDCCLXXXV. VI. And VII. | [rule] | Docti rationem artis intelligunt indocti voluptatem. Quin. lib.ix-4. | [rule] | Vol. I[-II]. | [cameo engrav vignette] | London: | [double-rule underline] | Published By Septimus Prowett, 23, Old Bond-Street. | W.Nicol, Shakspeare Press, Cleveland-Row. | 1824.

Vol II same but vignette depicts both sides of an antique coin.

Vol I: 4°: [4], 10, 160, [2]p; front engrav portr of Worsley with thin paper guard; 4 engravs in prelims; 85 engrav pls, most with tissues(32 are of engrav gems), many pls fold. 1/4 leather, gilt, mbled sides, mbled endp, te gilt, others uncut(standard binding?). 37.5 x 27.7 cm(14 3/4 x 10 7/8 in). LC 43-35883. JSL.

Cont: blank f(not includ in pag) + front; tp; dedic; introds(Engl & Ital); pls list of marbles; text tp(Class I); text(3 other classes, each with own tp); notes; publ data + blank f not includ in pag.

Vol II: [4], 65, [1]p; front engrav pl, tissue; 2 engravs in prelims; 68 engrav pls(several fold & most with tissues).

Cont: blank f; front; tp; pls list; text titles as before for Classes V and VI; notes; publ data; blank f.

According to the Introduction the objects depicted on the plates and described in both English and Italian were collected ca 1785 and the plates prepared in 1787. The text and plates treat six classes of antiquities including engraved gems, in Vol I, p 101-59, 32 plates. C W King, *Antique Gems and Rings*, 1, 469, refers to them as follows: "Vol.i. contains twenty-three plates of single gems, mostly camei, drawn to a greatly magnified scale, and very well executed in line engraving; also five plates of minor gems, with several upon the same plate, done in a less finished, but yet satisfactory manner." The last plate, an intaglio, shows the death of General Wolfe, and seems out of place in a work on antique gems. Furtwängler, *Die antiken Gemmen*, 3, 423, "various not very important gems intermixed with many modern gems." Lowndes, ibid, "royal 4to. 12 parts, published at 12 £ 12 s. Large paper, imperial 4to. 2 vols. published at 18 £ 18 s. Reduced to about one-third of these prices." Vinet 1485: "2 vol.gr. in-4, avec 551 fig., rexte angl. et ital.(tiré à 250 ex.: 40 à 100 fr.; pap.impér., 90 a 100 fr. et plus)." Goodland.

7339. -----1826-29, Ger transl Vinet 1486: "trad. en allem. par H.-W.Eberhard et H.Schäfer: *Museum Worsleyanum*, etc; Darmstadt, 1826-29, in-fol., livr. | à VI, avec 54 pl..." Allibone, ibid, 2851. Not seen.

7340. -----1834, Ital transl Museo Worslejano...Milano, Società tip. de'classici Italiani, 1834. xxxix, 191, [1]pp., front.(portr.), 78 pls(part fold.), 22 1/2 cm. "The greater part of the text is by E.Q.Visconti." Prefazione del dottor Giovanni Labus: [iii]-xxxv. Not seen; data from *Metropol Mus of Art Cat*, vol 9. LC 9-15580. Goodland, ibid, entered this work under VISCONTI, E.Q.: LABUS, DOTT. GIOVANNI, 1775-1853, prefacer.

WÖRTH, FRANZ IVANOVICH & PEROVSKY, LEON ALEXIEVICH(1791-1856)

Perovsky, Russ nobleman, general, politician; Minister Interior 1841-; Head, Council of Empire 1852; mineral perovtkite named after by G Rose 1840.

7341. -----1842 Über Alexandrit und Chrysoberyll. *Verhandl Russ-Kaiserl Mineral Ges St Petersburg*, 1, 1, 1842, p CXVI-CXXVI, 2 col pls, plain pl, figs. The first detailed description of the famous alexandrites from the Uralian emerald mines. The crystals were brought back to St Petersburg by Perovsky who handed them over to Wörth for identification. This appears to be the first adequate description of alexandrite. The hand-colored plates of crystals in matrix are quite handsome.

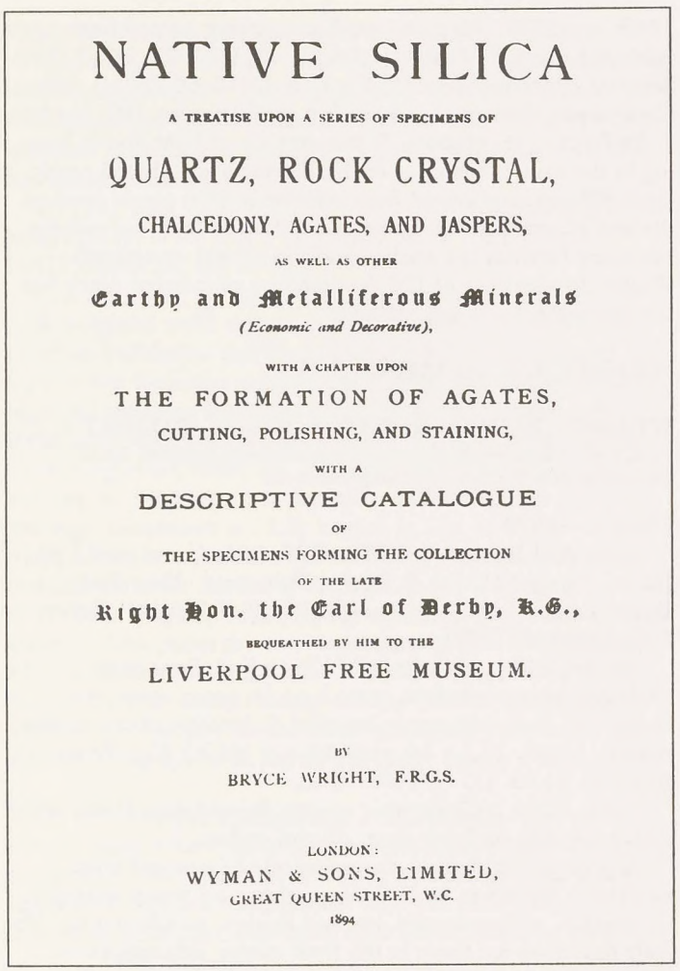
7342. WRIGHT, BRYCE MCMURDO

Native Silica | A Treatise Upon A Series Of Specimens Of | Quartz, Rock Crystal, | Chalcedony, Agates, And Jaspers | As Well As Other | Earthy and Metalliferous Minerals | (Economic and Decorative), | With A Chapter Upon | The Formation Of Agates, | Cutting, Polishing, And Staining, | With A | Descriptive Catalogue | Of | The Specimens Forming The Collection | Of The Late | Right Hon. the Earl of Derby, K.G., | Bequeathed By Him To The | Liverpool Free Museum. | By | Bryce Wright, F.R.G.S. | London: Wyman & Sons, Limited, | Great Queen Street, W.C. | 1894

8°: viii, 263, [1]p. Purplish-blue cloth, title in giltframe on cover; plain spine. Tan-yellow endp. 21.2 x 13.4 cm(8 3/8 x 5 1/4 in). Cut. USGS Kunz Coll, GS 33-312; JSL.

Cont: 1/2tp; tp; publ data; pref; text; index; publ data.

"The Collection...numbers seven hundred and eighty-two specimens, of which six hundred and ninety-five are cut and polished, many on both sides. The whole series, without exception, the author has had the honour of collecting for the noble donor"(p vii). Wright, a well-known mineral specimen dealer of London provides a most interesting, indeed, in parts, a scholarly work of considerable value regarding quartz gemstones & varieties, as well speculations on their formation. The accumulation of the collection is explained in the preface and more details are furnished in the final section of text in which the names of prominent collectors from whom specimens were obtained are given. The first part of the text discusses crystalline and cryptocrystalline quartz varieties, after which appears a classification scheme which forms the basis for the author's arrangement of the collection: quartzes, opal, fluorite, calcite, other carbonates, silicates, sulfates, hydrocarbons(jet), meteorites, and rocks. Under each appear further varietal subdivisions, all identified, described, and with notes on nomenclature, synonymy, etc. Next appear descriptions of the specimens themselves, often with extended footnotes. Just ahead of the part treating agates is a general treatise on these minerals, and another on the gem-cutting center of Oberstein, Germany, and the methods employed in the shops for cutting, polishing, and staining agates.



NATIVE SILICA

A TREATISE UPON A SERIES OF SPECIMENS OF

QUARTZ, ROCK CRYSTAL,

CHALCEDONY, AGATES, AND JASPERS,

AS WELL AS OTHER

Earthy and Metalliferous Minerals

(Economic and Decorative),

WITH A CHAPTER UPON

THE FORMATION OF AGATES,

CUTTING, POLISHING, AND STAINING,

WITH A

DESCRIPTIVE CATALOGUE

OF

THE SPECIMENS FORMING THE COLLECTION

OF THE LATE

Right Hon. the Earl of Derby, K.G.,

BEQUEATHED BY HIM TO THE

LIVERPOOL FREE MUSEUM.

BY

BRYCE WRIGHT, F.R.G.S.

LONDON:

WYMAN & SONS, LIMITED,

GREAT QUEEN STREET, W.C.

1894

7342. The first major description of the quartz family minerals by Bryce Wright, a prominent British dealer in minerals

The entire work is filled with unusual information and on the whole, is far more a general treatise on gems than a mere catalog of a collection. Edward Henry Smith Stanley(1826-1893), 15th Earl of Derby, eminent statesman. DNB. The work is now very scarce.

7343. WRIGHT, DOUGLAS J K A collection of fine jade from the 18th and 19th centuries. 1974. 20 x 21 cm. (42)p, fp., 9 colour plates, 40 ills., tab, original pictorial wrappers. Not seen; from Richard Lyon, England, Cat Sept 1987, item no 603.

WRIGHT, FREDERICK EUGENE(1877-1953)

USA geol, mineralogist; PhD Heidelberg U 1900; brief tours of duty in Michigan Sch Mines & USGS, then to Carnegie Inst Geophys Lab, Wash DC to ret 1944. Memorial C S Piggot; *Proc GSA*, 1953, 1954, 159-70, portr.

7344. -----1915 Obsidian from Hrafntinnuhryggur, Iceland: its lithophysae and surface markings. *Bull GSA* 26, 1915, 255-86, 12 fig; tab. Also separate in print wrap. Mostly on cavities & contents in the obsidian; compares surface features with those upon moldavites from Czechoslovakia(p 280-5).

7345. -----1923 Methods for distinguishing natural from cultivated pearls *J Wash Acad Sci*, 13, 13, Jul 1923, 282-7, 2 fig. Separate in printed wrap. 25.5 x 17.5 cm(10 x 6 7/8 in). *Papers, Geophysical Laboratory, Carnegie Inst of Washington, DC*, No 499.

Differences in reflection & transmission of light due to layering in the nacreous nucleus enable detection of cultured pearls; these differences observed from reflections from a gold bead on the end of wire inserted into the drill hole as it moves past the boundary between the nucleus and the natural overgrowth. Wright discusses use of UV for detection of cultured pearls but concludes the test is not infallible.

WRIGHT, L A, see JAHNS, R H

WRIGHT, RUTH V & CHADBOURNE, ROBERT L

R.V.W. elementary school teacher Colorado Springs, Colorado; R.L.C. formerly in chem dept Colorado College, same city.

7346. -----1970

Gems And Minerals | Of The Bible [title spread over 2 p] | [to left:] [logo] Harper & Row, | Publishers · New York, | Evanston, and London | [to right:] Ruth V.Wright | Robert L.Chadbourne [1970]

16°: xii, 148 p; tip-in col pl facing p [iv]. Terra cotta cloth-type paper over bds; green logo on cover; spine pale orange-tan cloth with green lett. Col dj, breastpl photo on front; resume, biogrs. 23.8 x 16 cm(9 3/8 x 6 1/4 in). Cut. Fe untrimmed. $4.95. LC 70-10967. JSL.

Cont: 1/2tp; tp(2 p); quot sources & publ data; front; ackn; dedic; abbrevs; pref; tab cont; 62 chs; epilog.

A popular but shallow discussion of 62 gems and other substances known in Biblical times, giving Scriptures reference, description, earliest known use, and modern uses & sources. The only references are those in the front matter although hints appear in the text that the authors used other works in their research. There is no index. The paucity of information on the materials as used in antiquity makes this work of little value to the student interested in this aspect while the abundance of information on modern uses can be gotten far better in many mineralogy textbooks. In addition to the classical Biblical gemstones, the text also treats metals, even solder(!), and others equally curious as asphalt, bitumen, chalk, coal, clay, lime, slime, etc. Rev *J Gemm*, 13, 7, 1973, 285.

7347. -----Undated reprint Omits color pl; bound in pale brown leather-like cloth on spine, boards in dk brownish-maroon cloth. Dj flap now states "Family Bookshelf Edition." Otherwise identical.

7348. -----1976, paperb Title spread over 2 pages as before but at lower left appears "[logo] Keats Publishing, Inc. | New Canaan, Connecticut" [1976]

Cementb:xii, 148, [8 blank]p. Thick, glossy black wrap, col jewel design on covers; varicolored lett on covers & spine. 21.5 x 14 cm(8 1/2 x 5 1/2 in). Cut. $3.95. ISBN 0-87983-139-1. LC 76-587-67. Lacks color plate; adds 4 blank leaves.

WRIGHT, W S, see HEIDE, H E, et al

7349. WRUCK, ADOLF Die Geheimnisse der Edelsteine. Praktische Winke zur Erkennung der Edelsteine und gemeinverständliche Abhandlung der einzelnen Fächer. Berlin, 1901. 8°: 34 p + 6 p text ill. BM(Nat Hist) Catalog. Not seen.

7350. -----1913, 2nd edit

Die Geheimnisse | der Edelsteine | Praktische Winke | zur Erkennung der verschiedenen Edel- | steine, Perlen und deren Imitationem | sowie gemeinverständliche | Abhandlungen einzelner | Nebenfächer für den Laien | dargestellt von | Adolf Wruck | Zweite, bedeutend vergrösserte, der Zeitsprechend | umgearbeitete Auflage | Mit insgesamt 177 Abbildungen nach Original- | zeichnungen und Aufnahmen des Verfassers, | wovon 107 Holzschnitte und 70 Autotypien teils | im Text gedruckt und auf 11 Tafeln gruppiert. | Berlin 1913 | Verlag: Adold Wruck, Berlin s.42, Mathienstr. 16

Title enclosed in 3-rule frame; small orns enclose line 3; rectangles enclose lines 6, 7, 8.

8°: 160 p (p 148-60 advert); 177 ill(many are actually parts of the same figure!). Brown cloth, black title on cover & spine, with blue diamond (the Hope?) separately printed and pasted into a stamped depression on front cover(42 x 36 mm). Pale gray endp with adverts on all surfaces. 21.7 x 14.1 cm(8 5/8 x 5 1/2 in). Cut. Mk 3.60. BM(Nat Hist)Cat; USGS Kunz Coll, GS 33-355; JSL.

Cont: 1/2tp; print data; tp; publ data; fwd; tab cont; introd; text; index; advert.

A compilation of several dozen short essays in the field of gemstones and jewelry; topics include nomenclature, properties, identification, descriptions, tests, birthstones, styles of cutting, coloration, synthetics, inorganic materials, etc. Many are too brief to be of value to the serious student of gemology but probably are adequate for the lay reader to whom this book is addressed. The writing style is concise, factual, but the material is poorly organized. The large number of illustrations given in the title is misleading inasmuch as as many as a dozen objects, photographed at once, appear in what would normally be a single figure.

WULFEN, FRANZ XAVER VON(1728-1805)

Austrian naturalist, earth scient; b Belgrade; age 17 entered Soc Jesus, ord priest 1763; early teaching posits Austria & Yugoslavia; apptd prof nat phil & math in Klagenfurt 1762. Wulfenite named after by Haidinger 1845. Biogr note, R S Mitchell, *R & M*, 56, 4, 1981, 163-4, portr.

7351. -----1790 X.Wulfens Abhandlung von kärnthenschen pfauenschweifigen Helmintholith...Erste Ausgabe...Nürnberg, 1790. Not seen. Agassiz IV, 586.

7352. -----1793, 2nd edit

Xavier Wulfens | Abhandlung | vom | kärnthenschen pfauenschweifigen Helmintholith | oder | dem sogenannten | opalisirenden Muschelmarmor. | Der | königlich preussischen Gesellschaft naturforschender Freunde in Berlin | gewidmet. | [taper rule] | [another segmented rule] | Erlangen | bey Johann Jakob Palm. | 1793.

4°: [1]f + 124, [1], [1 blank]p; titlef + A-O^4, P^3, Q^4. Fold engrav pl of deposit/vein sects(in some copies, cut-up and bound-in as 2-3 pls); 32 hand-col(or plain) engrav pls. 24 x 19.7 cm(9 1/2 x 7 3/4 in). Cut. USGS Kunz Coll, GS 34-658; JSL.

Cont: tp; blank p; text; explan of figs(p 46-); Ovid quot; blank f; fold deposit sects; pls.

Wulfen carefully describes this famous occurrence of lumachelle or a fine-grained pale gray limestone in which are imbedded numerous mollusk fossils which display iridescent colors that sometimes are very striking and resulted in much use of the material for ornaments. The rock was obtained from St Oswald's tunnel of the Bleyberg, or "Lead Mountain," ore deposit in Carinthia, Austria. The best material displayed opal-like colors, mostly red & gold. Wulfen waxes enthusiastic about the material, and speculates on the cause of colors, comparing them to other diffractive colors in nature, and then provides details on the rock and its composition, its origin, the lead-ore deposits, vein systems, etc, before launching into descriptions of the objects shown upon the plates. In the colored versions, several of the plates beautifully depict the hues and are further heightened in gold. However, aside from these few plates showing lumachelle, the larger number of plates, and also the text, really forms a treatise on molluskan paleontology. Rare.

7353. WÜLFING, ERNST ANTON(1860-1930) Apparate zur optischen Untersuchung der Mineralien und neue optische Bestimmungen am Diamant und Eisenglanz. *Tscherm Min Petrogr Mitt*, 15, 1895, 49-76, 2 fig, Pl 1; also issued in wraps. JSL. Describes apparatus for production monochromatic light; reports results of refractive index measurements on diamond and hematite, claiming hitherto unmatched accuracy of same.

7354. -----1900

Über Einige | Krystallographische Konstanten | Des | Turmalins | Und Ihre Abhängigkeit Von Seiner | Chemischen Zusammensetzung. | Mit Sechs Textfiguren Und Einer Tafel In Farbendruck | Von | Dr.Ernst Anton Wülfing | Frofessor Der Geologie Und Mineralogie, | [taper rule] | Programm Zur 82. Jahresfeier | Der | K. Württ.Landwirstschaftl. Akademie Hohenheim | Ausgegeben Am 20. Nov. 1900. | [taper rule] | Stuttgart | Buchdruckerei Von Alfred Muller & Co. | 1900.

8°: 99 p; 6 fig, col fold litho pl(chemical composition plots); 25 tabs(1 fold), Pale gray printed wrap, cover title. 23 x 16.1 cm(9 1/8 x 6 3/8 in). Cut. JSL. USGS Libr.

Wülfing devoted much effort investigating tourmaline; the present paper provides information on optical properties and morphological crystallography as well as to chemistry and relationships to the foregoing. There is a short chapter on specific gravities and another on the best chemical analyses on the basis of the information developed in the present paper. A unique feature is the color plate which plots horizontal colored bars of compositions for 31 chemically analyzed specimens.

7355. -----1906 Einiges über Mineralpigmente. Sonder-Abdruck aus der *Festschrift zum siebzigsten Gebürtstage von Harry Rosenbusch gewidm, v. seinem Schülern*, Stuttgart: E.Schweizerbartsche Verlagsbuchhandlung, 1906, p 49-67. JSL.

Heat treatments of smoky quartz, colored diamonds, colored fluorites showed that scarcely any loss of weight occurred and scarcely any appreciable differences in refractive indexes, thus indicating that pigmenting matter must be present in only minute quantity in these minerals; the nature of such matter has not been determined.

WUNDER, M, see DUPARC, L, 1910

7356. WÜNSCH, CHRISTIAN ERNST(1744-1828)

Briefwechsel | über die | Naturprodukte | Erster Theil | Von den Mineralien | Herausgegeben | von dem Verfasser der kosmologischen Unterhaltungen | [engrav oval vignette] | Mit gemalten Kupfern | [orn rule] | Leipzig | bey Johann Gottlob Immanuel Breitkopf 1781

8°: [14], 602, [2]p; $*^7$, A-Pp^8; 16 mostly fold, col engrav pls bound-in. Ch orns. 16.4 x 10.1 cm(6 1/2 x 4 in). Cropped. USGS Kunz Coll, GS 33-313.

Cont: tp; pref; tab cont; 67 chs; pls explan; index; errata.

A delightful work written as a series of letters (Briefwechsel zwischen Philalethes und Karln über die Mineralien) whose topics cover the entire range of then extant mineralogical knowledge and including letters on economic geology. After a few preliminary historical remarks, the text describes siliceous, aluminous, magnesian, calcic, etc, minerals, also fuels, salts, ores, smelting & metallurgy, ore deposits, mining methods and paleontology. Gemstones are fully treated in Chs 10-23, 53-141, in which all major and minor & ornamental gemstones are considered. An attractive feature of the book is the illustrative material which takes the form of crude, but charming hand-colored plates scattered throughout the text at germane points. Those pertaining to gemstones include plates of crystals, a panorama of the famous Schneckenstein, Saxony outcrop productive of topaz crystals, opal, labradorite and other gemstones cabochons, and a plate depicting agates & jaspers but rather poorly done.

7357. WU TA-CH'ENG(today: DACHENG) Ku yü t'u k'ao, or Guyu tukao [Investigations into ancient jades with illustrations]. Shanghai, 1889, 2 vols; a later reprint in 4 vols; 144 double pages, including many with ills. 32 x 22 cm, stitched, in cloth case. Not seen; data from Han-Shan Tang Ltd, London, 1985 catalog.

Concerning this work, B Laufer, *Jade*, 1912, 12-13, which see, states: "In two quarto-volumes published in 1889 by the well known scholar and statesman, Wu Ta-chêng, who was born in Su-chou in 1833. He graduated as tsin shih in 1868 and became a member of the Han-lin College ..." and "In his work on jades, two hundred and fifteen pieces are illustrated in outline, as a rule reduced to seven-tenths of their original size, described as to their coloring, identified with their ancient names and explained with quotations from ancient literature... the text is a facsimile reprint of Wu's own expressive and energetic handwriting. The engravings... are far above the average...executed with care and in good proportionate measurements." Laufer, who highly esteemed this work, further stated "I was forced to reproduce the material of Wu almost in its entirety [in his *Jade*] owing to its great archaeological importance." See also *Wong Collection*, above, which in part furnished the material for the study herein described.

Una Pope-Hennessy, *Jade Miscellany*, 59-60, reviews this work also but gives publication date of 1884, "this book consists of four thinnish volumes, small octavo in size, which contains two hundred and fifteen drawings, about which Dr.Laufer entertained no suspicions. The objects dealt with are limited in type, but their colours are described and for the benefit of Chinese readers quotations from the classics are included. The text reproduced the author's bold brush writing." Born 21; Yang 0909. According to Goette, 302, which see, the author issued some years later his Su Ku Yü K-ao [Investigations into old

jades with illustrations], "meant to supplement the former." Not seen.

7358. -----1971 Issued in reprint, edited by Na Chih-Liang, not seen

7359. WYART, J; BARIAND, P & FILIPPI, J (1972) Le lapis-lazuli de Sar-e-Sang (Badakshan, Afghanistan). *Revue Géogr Phys et Géol Dynamique*, Paris, 14, 4, 433-47. Not seen.

7360. WYBERGH, WILFRID JOHN(1868-) The building stones of the Union of South Africa. *Geol Survey S Afr Mem* 29, Pretoria, 244 p, includ diagrs, 2 pls (1 is fold map), fold tab. 24 cm. Not seen; data from GS 22-386 rev 2.

7361. WYCKOFF, DOROTHY(1900-)

Albertus Magnus | Book Of | Minerals | Translated by | Dorothy Wyckoff | Professor of Geology, Bryn Mawr College | Clarendon Press | Oxford | 1967

8°: xlii, 309 p; 2 photos on 2 bound-in glossy f. Dk blue cloth, gold lett spine with logo. Col dj, resume, other bks of publ. 24.7 x 17.5 cm (9 3/4 x 6 7/8 in). Cut. 84 s net. JSL.

Cont: 1/2tp; publ data; tp; publ data; dedic; pref; tab cont; ill list; introd; text; appends A-E; biblio(p 293-301, 167 entries); index; blank p.

The lengthy introduction (an excellent essay by itself!) provides a life of Albert(1193?(or 1206?)-1280), a review of his scientific writings, including his book of minerals, and discusses previous Latin texts used in arriving at the present translation. This translation forms the main body of text and is richly annotated; it sets forth the "tractates" of Albert's treatise in five books or general headings as follow: 1 stones in general and the accidental properties of same, 2 precious stones(p 55-151) and the of the powers attributed to stones, including gemstones, also sigils and how they are to be considered, how many kinds there are of them, and what is known of them from experience, 3 metals generally, their substances and properties, 4 metals described individually, and 5 minerals that seem intermediate between stones and metals. Appendices: A - life of Aristotle and his accomplishments, showing his influence on scientific thought and examining works wrongly attributed to him, all discussed by Wyckoff in considerable detail who clearly establishes that no true Aristotelian work on minerals could have been consulted by Albert inasmuch as only Aristotle's *Meteorologia* contains anything on minerals, and that quite insufficient for the scope of Albert's treatise; B-entitled "Lapidaries," summarizes the source and content of major lapidaries from before and including the 13th century, comparing them in respect to origin, content, and the borrowing of substance to show that Albert used mainly the lapidaries of Arnold of Saxony and Thomas of Cantimpré as authorities for contemporary information; C- on astrology and magic; D- on alchemy, and discussing same in the light of current beliefs; and E - identifications of minerals and rocks, p 286-92, which usefully lists modern terms opposite those used by Albert and indicating those of uncertain identity. All of the discussions are fitted with references to the contemporary literature.

Wyckoff's work is as admirable as the treatise which it translates & explains inasmuch as it provides in its introduction that background information which furnishes a useful portrait of the origins and status of the mineral sciences in Albert's time. As then prevailing, the term "precious" was applied in a different and broader sense than we are accustomed to now using, that is, Albert included as precious such un-precious materials as asbestos, coal, etc, possibly reflecting their rarity or economic value. While the descriptions of gemstones in Book 2 are chiefly of value to the gemologist, he will also find useful information upon p 127-51 which deal with curious lore of gemstones, engraved gems, natural images upon or in stones, and gems used in amulets. For an earlier treatment of Albert's work, see Hugo Strunz, Die Mineralogie bei Albertus Magnus, 1951-1952. Rev G T Faust, *Amer Min*, 59, 5/6, 1974, 636-7.

7362. WYKOFF, GERALD L

Beyond | The | Glitter | Everything You Need to Know to | Buy...Sell... Care For...and Wear | Gems and Jewelry Wisely | By Gerald L.Wykoff | Adamas Publishers | P.O.Box 5504 | Washington, D.C. 20016 [1982]

Cementb: [5], iv, [1 blank], 203, [3 blank]p; 44 photos, 42 drawings. Dk blue paper over bds, gilt spine title. Photo dj, resume, vita. portr. 22.8 x 15.1 cm(9 x 6 in). Cut. LC 81-69981; ISBN 0-9607892-1-9. JSL.

Cont: tp; publ data; dedic; tab cont; pref; introd; 10 chs; concl; ackn(actually a biblio, p 203, 26 entries); 3 blank p.

Written to tell readers about good or bad features of gems and jewelry. Topics: what to look for, deceptions & frauds, care of gems & jewelry, certifications, resale, and others. Considerable gemological information is imparted but all of it very simple, descriptive, and without numerical data. One chapter describes jewelry metals and another gives advice on choice & wearing of jewelry pieces. Illustrations vary widely in quality. The lack of an index limits the usefulness of the work because of the lack of organization which results in much redundancy and fragmentation of discussions. There are errors in fact, misstatements, and misspellings, but the worst feature of the text is the excessive use of slang, colloquialism, and current trade jargon. Rev Michael Ross, *G & G*, 18, 4, 1982, 244, "considering Mr.Wykoff's apparent attitude toward retail jewelers, his factual inaccuracies, and his choice of material, I would say that this book which proposes to take consumers "beyond the glitter" might actually get them into trouble."

7363. WYLLIE, P J, editor Ultramafic and related rocks. New York: John Wiley & Sons, Inc. [1967]. LC 67-19786. JSL. Contains essays on kimberlites in Ch 8, 240-323, illustrated, many of interest because of diamonds within them.

7364. WYNDHAM, ROBERT

Enjoying Gems | The Lure And Lore Of | Jewel Stones | By Robert Wyndham | Illustrations By Robert Maclean | The Stephen Greene Press, Brattleboro, Vt. [first titleline in blue; 1971]

Oblong 8°: 128 p; many pen & ink sketches, orns, in variously-col inks. White, plasticized paper over bds; black lett & col sketches on cover, spine, back cover(the latter carries an index!). Bright yellow endp. 11.4 x 15.5 cm (4 1/2 x 6 1/8 in). Cut. First 2 f & last f are col paper, pink on one side, blue on the other. $4.95. LC 72-173403; ISBN 0-8289-0145-7. JSL.

Cont: anniversary stones list; zodiacal stones list; fullp sketch of birthstones; 1/2tp(in red); tp; publ data; dedic; tab cont; text; biblio (p 125-6, 20 entries, annot); "Wyndham List of Wedding Anniversary Stones."

A popular work about a select number of gemstones that emphasize their lore, famous gems, and romantic aspects of gems with a minimum of technical or scientific material, and rightly so, in view of certain errors indicating the author's inexpertise in the latter. The style of writing is breezy, even slangy. Describes about twenty some odd gemstones giving remarks on nomenclature, classification, sources, qualities, and lore. No property data save for a scale of hardnesses which the author preciously calls the "Pecking Order." The illustrations are actually decorations because they have nothing to do with the subject matter. The works in the bibliography further reveal the author's unfamiliarity with minerals because among the books is C W Bunn's *Chemical crystallography*, a most unlikely choice for a reader who knows little of gemology.

7365. WYNNE, T TRAFFORD The ruby mines of Burma. *Trans Inst Min & Met*, London, 5, 1897, 161-75. The author was connected with Burma Ruby Mines company from its inception and provides a brief but accurate account of the deposits, mining methods, economics of production & sale, labor costs, etc, and historical notes, all followed by a discussion of his paper by members of the institution.

7366. -----1902 Report on the diamondiferous deposits in the Conceição do Serro and Diamantina districts, Minas Gerais. Iglesias & Meneghezzi, 1959, 308, give this as p 26-45 of the 75 pages report "The Diamond Fields of Brazil," London, 1902. I have not seen either work.

7367. WYNPERSEE, DIONYSIUS VAN Wahrnehmungen von der veränderlichen Steine oder sogenannten Weltauge [hydrophane opal]. *N Hamburgisches Mag*, 4, 23, 1772, 443-62. Not seen; from Banks Catalog; see also U F B Brückmann, *Gesammlete und eigene Beyträge*, etc, 1778, p 172 ff, where it is noted that Wympersee [sic], "among all writers, has treated the Weltauge most comprehensively and has set forth his own experiences with the stones and named the numerous ancient writers who have mentioned this stone before him," also, "his treatise is in the *Novis actis phys.med.Acad.Caes.nat.Curios*. in the 3rd part, p 112-122 and its translation to be read in the *Neuen Hamburger Magazin* in the 23. Stück, p 443." Thereafter Brückmann provides a lengthy discussion of this stone, which was also then known as *lapis mutabilis*, or "changeable stone."

7368. XENAKI-SAKELLARIOU, AGNES Les cachets minoens de la collection Giamalakis. Paris: 1958, xix, 95 p, 30 pls. Wrap. 28.5 x 23 cm. Not seen; from Thomas Heneage,London, Cat 2, 1981, no 148.

7369. XIA NAI Jade and silk of Han China. Franklin D.Murphy Lectures III. Lawrence, 1983. 88 p, 1 col pl, 17 fig, 59 ill. Notes & biblio. 27 x 22 cm. Transl & edit by Chu-tsing Li. Not seen; from Han-Shan Tang Ltd, London, List 30, 1985, no 543; also Richard Lyon, England, Cat Sept 1987, no 604.

7370. XIA NAI, et al Yinxu yuqi [the jades from Yinxu]. Kaoguxue Zhuankan 11: 20, Beijing, 1981. 50 p; 121 exhibits each ill in col. 26 x 19 cm. Paper. Not seen; from Han-Shan Tang Ltd, London, List 28, 1985, no 108, "includes 18 p English abstract and plate captions...jades...mainly from the Fu Hao tomb and are most important in giving us a firm dating of Shang period jades."

7371. XU SHOUJI Yupu leibian[encyclopedia of jade]. No place, 1885, 4 vol, 25 x 16 cm, stitched, in cloth case. Not seen; from Han-Shan Tang Ltd, London, List 28, 1985, no 109, "brings together material on jades from all branches of Chinese literature. Almost everything written which relates to jade, and nearly all phrases containing the word "yu" are to be found in this scarce work."

YAKOVLEVA, M E, see BARSANOV, G P, 1963, 1966, 1978

7372. YAKUNINA, L I Russkoe shite zhemchugom. Moskva: Iskusstvo, 1955, 158 p. Not seen. "Russian pearl embroidery."

YALOVENKO, I P, see YURK, Y Y, et al

7373. YAMANAKA AND COMPANY Illustrated catalogue of antique and modern Chinese and Japanese objects of art. New York, 1905, jades p 29-38, 1 pl. Not seen; Yang 2031.

7374.-----1914 Illustrated catalogue of the remarkable collection of ancient Chinese bronzes, beautiful old porcelains, amber and stone carvings...comprising the private collection of a Chinese nobleman...to be sold at the American Art Galleries...Catalogue written by Mr.Dana H.Carroll...New York, American Art Association, 1914. [191]p, ill, pls, 27 cm. USGS Kunz Coll, GS 34-819. Not seen.

7375. YAMANAKA COLLECTION

The | Yamanaka Collcction | Of | Chinese And Japanese Treasures | Of Rare Artistic Distinction | [rule] | First Afternoon's Sale | Monday, February 7, 1916 | At The American Art Galleries | Beginning 2.30 O'Clock

New York; title from wrapper.

Edgestapled: [76]p includ pls; 44 photos; 5 bound-in pls. Pale yellow-tan thick paper wrap, cover title. 26.2 x 17.8 cm(10 3/8 x 7 in). Cut. With bound-in customer record slip. JSL.

Offers 136 pieces, mostly jade & hardstone carvings; snuff bottles, vessels of several types, figurines, mountains, pendants, censers, altar sets, and trees, which judging from the illustrations were all of high quality. According to the next day's report in *New York Times* the sale netted $70,097.

7376. YAMANAKA & CO. LTD

Exhibition | of | Ancient Chinese Jade | October, 1923 | Held at the Galleries of | Yamanaka & Co. Ltd. | 127, New Bond Street, W.1 | Branches at | New York Osaka Peking | Boston .. Kyoto Corea [1923]

8°: 29, [1]p; 8 tip-in pls, tissued. Pale grayish-brown paper wrap, reddish-brown lett on cover & spine. First & last f serve as endp & not includ in pag. 22.1 x 14.5 cm(8 3/4 x 5 3/4 in). Cut. JSL.

A brief essay introduces the catalog of 66 numbers, or which 39 are shown upon the plates; descriptions short, with dimensions, probable dates. Fair to good photographs.

7377. YAMANAKA LIQUIDATION SALE

Collection of Chinese and Other | Far Eastern Art | Assembled By Yamanaka & Company, Inc. | Now In Process Of Liquidation Under The Supervision Of The | Alien Property Custodian | Of The United States Of America | 1943 | 680 Fifth Avenue, New York, N.Y. | 846 North Michigan Blvd., Chicago, Ill.

P[6]:"Of this book, 10,000 copies have been printed."

8°: [232]p, last f blank; front tip-in col pl & another col pl, counted in pag; 103 p of photo ill. Bright yellow wrap, blue lett, and cut-out on front cover to expose the first col pl. 27.8 x 21.1 cm(11 x 8 3/8 in). JSL.

Cont: front; pl explan; tp; seizure note; fwd; pref; dynasties list; symbolism; interior views of store; catalog; blank f.

Large, richly illustrated catalog of many fine pieces that were put up for sale upon seizure of the company's assets by the federal government in World War II. There are a large number of jade carvings, ancient & modern, also carvings in hardstones and coral. The striking cover cut-out feature was not without its hazards for many copies were ruined by snagging of the edges of the rather large cut-out opening(17.5 x 13.6 cm, 6 7/8 x 5 3/8 in). Where only one or two objects were shown upon a photograph, the detail is good, but unfortunately too many objects are shown at once on numerous photos and nothing can be learned from them except a general appreciation of form.

YAMANAKA & CO, see KUNG CHING WANG

7378. YAMAZAKI, AKIRA Kiku Isi [or Kiku-Ishi]. No place, or author, dated August 1940. A collection of 15 loose photo plates, mostly colored, 36.3 x 28.1 cm(14 1/4 x 11 in), plus leaf of text(1 p in Engl, other in Japanese), all enclosed in pale tan, handmade(mulberry?) paper envelope, with round fiber disks & red cord tie on back; a cut-out col photo is mounted on a gray paper panel, the latter pasted to the cover, and below is the Japanese title. JSL.

A remarkable depiction of the patterned porphyritic rocks found "exclusively" a short distance north of Mt Funabase in Neo-mura, Motosu-gun in the northern part of Gifu Prefecture. The radiate phenocrysts resemble the petals of the chrysanthemum hence the Japanese name "chrysanthemum stone." A b&w plate shows raw stone samples, another miners at work, and also includes a sketch map, while the remainder are modestly-colored photos of typical pieces that have been rounded and smoothed to display inclusions to maximum advantage. Plate 15 is an ink wash landscape drawing of the rounded hill upon which the deposit is located.

7379. YANG, JIANFANG Jade carving in Chinese archaeology. Vol 1, Hong Kong, 1985, ca 320 p, 90 pls, 19 x 27 cm, cloth. Not seen; from Han-Shan Tang Ltd, London, Cat 28, 1986, "contains many ills and an account of antique jade based on the archaeological finds of recent years."

7380. YANTARNYE OSTROVA NA BALTISKOM MORE *Izbrannye Obshchestva Lyubiteley Estestvoznaniya Antropologii | Etnografii Sostoyashchiye Pri Moskovskom Universitetye,* t 33, vyp 1, 1878(1880), p 393-412. Not seen; on Baltic amber.

7381. YAVERBAUM, LEE H, editor

Synthetic Gems | Production Techniques | Edited by L.H.Yaverbaum | Noyes Data Corporation | Park Ridge, New Jersey, U.S.A. | 1980

"Chemical Technology Review No.149"

16°: xi, [1 blank], 353, [2], [1 blank]p; numerous Patent Office drawing reproductions. Maroon, crushed leatherette, gold lett, black-bordered panels on cover & spine. 23.4 x 15.5 cm(9 1/4 x 8 1/8 in). Cut. LC 79-24960; ISBN 0-8155-0788-7. $39.00. JSL.

Cont: 1/2tp; tp; publ data; fwd; note on patent lit; tab cont & index; introd; text; company index; inventor index; U S Patent No index; note; advert; blank p.

"This book is a continuation and updating of our 1973 volume on *Synthetic Gem and Allied Crystal Manufacture* [by D MacInnes, which see]... We have retained all previously described processes for making gemstones, also all those processes producing simultaneously either industrial stones or jewels. In addition we have included all synthetic gem processes described in U S patent literature since mid-1972." Treats: corundum, asteriated gemstones, rutile, titanates, garnets, alexandrite, amethyst, jade, cat's- eye, citrine, opal, zirconia, lapis lazuli, beryls, etc. This part is followed by large sections on the General Electric diamond synthesis and other diamond syntheses. The processes are described and illustrated with the drawings submitted with patent applications. Provides interesting detail on synthesis to the gemologist but the work is obviously most useful to manufacturers or users of the materials. Rev *JCK*, Jul 1982, 248.

d'YDEWALLE, C, see ANTWERPEN, C VAN

7382. YELAMOS ROMERA, FRANCISCO Estudio sobre la esmeralda. Falsificationes, síntesis y minerales que se prestan a confusión. Cádiz: Imp.Gonzalez Bubiales, 1961. 29 f, 21 cm. Not seen; from Biblioteca Nacional V/C[a] 4699-4.

7383. YING-HO HSU Yü Shui tao chi. "Description of the rivers of Chinese Turkestan." Five books, by Ying-ho, a learned Manchu officer, published in 1823, according to BUSHELL, S W, "On jade in China," 1900. This work gives an itinerary from Yarkand to the jade mines in the Mirtái Mountains of Turkestan, and also describes stations along the way, the "jade-fishing" camps, quarries, and the jades obtained from both types of deposits.

7384. YODER, H S & CHESTERMAN, C W Jadeite of San Benito County, California. *State of California, Division of Mines Spec Rpt* 10-C, Sept 1951. Center-stapled: 8 p, 6 fig(3 sketch maps). Pale green print wrap. 28 x 21.5 cm (11 x 8 1/2 in). Cut. $.25. JSL. GS 51-133. Jadeite occurrences in situ and as boulders in Clear Creek area, San Benito County, Calif. Maps show areal & local geology; some of the material is marginally suitable for lapidary work.

YODER, H S & CHESTERMAN, C W, see CALIFORNIA DIVISION MINES & GEOLOGY

7385. YOGEV, GEDALIA

Diamonds | And Coral | Anglo-Dutch Jews and | Eighteenth-Century Trade | Gedalia Yogev | Leicester University Press 1978 | [rule] | Holmes & Meier Publishers, Inc.

16°: 360 p; black, cloth-type paper over bds; silver spine title. White dj with antique view of Amsterdam; flap resume. 21.5 x 13.5 cm(8 1/2 x 5 3/8 in). Cut. LC 78-301; ISBN 0 7185 1157 3(Gt Brit); ISBN 0-8419-0369-7(USA). £ 8.50. JSL.

Cont: 1/2tp; tp; publ data; dedic; tab cont; ackn; fwd; introd; text in 3 pts; abbrev; notes(& refs, p 276-3301; appends; biblio(p 341-8, 137 entries); index.

"The present book is based on a Ph.D. thesis(p [9])," and as such is enormously detailed, very thoroughly referenced, and with that, tedious and difficult to follow. By far most of the information is on financial & trade matters as reflecting adjustments to the contemporary politics of Europe and the freedom to travel that was allowed Jews at that time. Part 2, p 79-180, does provide, however, more interesting information on the inception of the diamond trade, which became almost a Jewish monopoly, and tracing its roots into India where the first substantial quantities of diamond were mined. Similarly, the effects of the discovery of diamond in Brazil and the role of Jews in the development of Brazil-Europe diamond commerce are also explained. In contrast, very little is said about coral, which commodity, much prized in India, was fished in the Mediterranean and traded by Jews into the East. There is virtually nothing said about the natural history of either the diamond or coral.

YONGE, CHARLES MAURICE(1899-)

Brit zoologist, naturalist, writer; BSc U Edinb 1922, PhD 1924, DSc 1927; staff U Bristol 1959; num honors; spec mollusks, corals.

7385A. -----1930

A Year On The | Great Barrier Reef | [taper rule] | The Story Of Corals & Of The Greatest Of Their Creations | By | C.M.Yonge | D.Sc., Ph.D.(Edin.) | ...[offices, honors, etc, 6 lines]...| [vignette, silhouette of a coral island] | Putnam | [taper rule] | London & New York [1930]

8°: [2 blank], xx, [1], [1 blank], 245, [1], [2 blank]p; photo front pl on tip-in glossy f + over 100 photos & figs on tip-in & bound-in glossy f; 6 tip-in maps(part col, part fold). Orange-red cloth, bev edges, gilt spine & cover titles. 24.4 x 15.5 cm(9 5/8 x 6 1/8 in). Cut. JSL.

Cont: blank f; 1/2tp; front pl; tp; publ data; dedic; pref; tab cont; ill lists; text tp; 15 chs; append; index; blank f.

As leader of the Great Barrier Reef Expedition, 1928-29, Queensland, Australia, Yonge provides a detailed yet interesting account of the expedition's activities, researches, and explorations conducted over a large stretch of the reef. Much is told of the animal life and all of Ch XI, p 159-73, fold map, 6 photos, is devoted to the pearling industry in the Torres Straits(Thursday Island). Much useful eyewitness information is supplied as well as comments and statistics on the production of mother-of-pearl and pearls. The following chapter also contains useful remarks on fishing for the pearly trochus shell much used for making clothing buttons. The entire work is elaborate, handsomely illustrated, and fully authoritative.

7386. YOUNG, ELEANOR R

[orn] A First Book [orn] | Pearls | by Eleanor R.Young | Illustrated with photographs | Franklin Watts, Inc. | 575 Lexington Avenue New York, N.Y. 10022 [1970]

Edge-fastened: [5], [1 blank], 85, [5 blank]p; 34 photos, 23 fig(map, ills). White cloth over bds, photo of pearl objects with red & black lett on both covers; pink spine with black title. 21.5 x 18 cm(8 1/2 x 7 in). Cut. LC 72-104031; ISBN 531 0069-3. JSL.

Cont: 1/2tp; front; tp; publ data with front caption; tab cont; text tp; 13 unnumb chs; gloss; index; 5 blank p.

Adequate and generally accurate broad account of pearls for juveniles. After a brief history of pearl throughout the ages, discusses their origin, color, shapes, pearl diving, famous pearls, cultured pearls, imitations, care of pearls, and necklace styles. The glossary is very brief.

YOUNG, FRED S, see DAKE, H C, et al, 1938, 1942

7387. YOUNG, SHEILA The Queen's jewellery. The jewels of H.M.Queen Elizabeth II. London, 1968. 35 s. Not seen.

7388. -----1969, New York

The Queen's | Jewellery | The Jewels Of H.M.Queen Elizabeth II | Sheila Young | Taplinger Publishing Company | New York [1969]

8°: 119, [1 blank]p; 12 col photos on 4 bound-in glossy f; 117 b&w photos; 9 lines drawings. Bright blue cloth-type paper over bds, gold spine title. Col dj, col photo both covers with titles; resume. 24.7 x 18.8 cm (9 3/4 x 7 3/8 in). Cut. $8.95. ISBN 8008-6565-0; LC 71-86660. JSL.

Cont: 1/2tp; tp; publ data; ackn; col pls list; text; gloss; indexes of jewels, persons, organizations, places; blank p.

Photographs of the Queen, the Queen Mother, and previous queens, all shown wearing some sort of jewelry, coronets, diadems, or crowns, provide some idea of the variety and number of the Queen's jewelry collection but only a few photographs depict individual pieces. Many photos are redundant or show jewels to so small a scale when worn that they are virtually without value as illustrations. Nevertheless, this appears to be the first modern work that establishes an inventory, as incomplete as it is, of the collection that the public may consult. The text describes the pieces, their history, and include numerous examples that were given as gifts from private and public organizations, unions, tradespeople, foreign officials, etc. The glossary is short and not of much value.

7389. YOUNG READERS PRESS

Gems | and | Jewelry | Editorial Board | Lady Plowden | Chairman of the Plowden Report on Primary Schools |...[9 lines]...| Editor-in-Chief | Jennifer Cochrane [NY: Simon & Schuster Co, 1973]

"YRP Reference Library Books," half-title: "The World of Gems And Jewelry."

Cementb: 60, [2], [2 blank]p; 54 col photos & drawings. Col wrap, cover resume, other series bks. 20.9x 13.5 cm(8 1/4 x 5 1/4 in). $.60. JSL.

Cont: 1/2tp; tp; publ data; note; tab cont; ackn; text; index; blank f.

Very simplified presentation of the essential facts for school children with attractive though poorly reproduced color illustrations of rough & cut gemstones and jewels. Topics: sources of rough, uses in jewelry, history of jewels, general gemstone information, lore, gemstone properties. Paper cheap, browned, embrittled.

7390. YOUNGHUSBAND, Sir GEORGE JOHN(1859-)

The | Jewel House | An Account of the Many Romances | Connected with the Royal Regalia | Together with Sir Gilbert Talbot's | Account of Colonel Blood's Plot | Here reproduced for the first time | By Major-General | Sir George Younghusband | K.C.M.G., K.C.I.E., C.B. | Keeper Of The Jewel House | Illustrated In Colour, Etc. | Herbert Jenkins Limited | 3 York Street St. James's | London S.W.I [2 orns] MCMXXI [title in double-rule frame]

8°: 256 p(first f blank); glossy tip-in col front pl + 3 others in col, tip-ins + 15 glossy tip-in b&w photo pls(one is double-f, bound-in). Pale blue cloth, title in ruled frame on cover; title & rules on spine; publ logo back cover. White, thick paper dj, photo & title in green cover frames; silhouette drawings & green frames or rules on spine & back cover. 21.3 x 14 cm(8 3/4 x 5 1/2 in). Cut. JSL.

Cont:blank f; 1/2tp; front; tp; logo & print data; tab cont; ill list; 12 chs; 4 appends; index.

Authoritative history of the famous Jewel House within the Tower of London, and its royal treasures, with fascinating anecdotes which include the ill-fated attempt of Colonel Thomas Blood(1618?-1680) to steal the crown. The crowns and associated regalia are described and in part depicted upon the color plates, the latter taken from the earlier work by Younghusband and Davenport, see below. Among other matters, the appendixes contain a complete list of the jewels.

7391. -----1921(?), New York

The | Jewel House |...| Illustrated In Colour, Etc. | New York | George Doran Company [nd; title in similar ruled frame]

Publ logo omitted from p [6], otherwise identical to London issue, even to Herbert Jenkins logo on back cover although the word "Doran" now appears on the foot of the spine.

7392. YOUNGHUSBAND, Sir GEORGE JOHN & DAVENPORT, CYRIL

The Crown Jewels Of | England. By Major-General | Sir George Younghusband, K.C.M.G., | K.C.I.E., C.B. (Keeper of the Jewel House, Tower of | London), and Cyril Davenport, V.D., F.S.A. | [vignette, captioned:] | The Coronation of Harold II., afterwards killed | at the Battle of Hastings, from the Bayeux | Tapestry | Cassell And Company, Ltd | London, New York, Toronto and Melbourne | 1919

8°: [2 blank], viii, [3], [1 blank], 84, [2 blank]p; tip-in sepia-tint front grav portr of George V, with lettered thin-paper guard; 18 col pl cut-outs mounted within printed frames on thick pale gray tip-in leaves, each pl with thin-paper, captioned gd; 60 fig. Dull red cloth, blind ruled frames on cover enclosing blue elliptical medallion bearing royal device in gold; back cover plain; gold lett, rules, royal scepter on spine. Pale tan endp. Tan dj, cover frames, etc with lett on front in purple ink; back cover medallion. 32.4 x 24.5 cm(12 3/4 x 9 5/8 in). Cut. LC 20-17390. JSL.

P[ii]: "this edition is limited to fourteen hundred copies (900 for England and 500 for the United States of America), of which this is No. " Also in bright vermilion cloth, otherwise identical; limited edition, my copy with No 664. See description of a deluxe edit below.

Cont: blank f; 1/2tp; limited edit note; front; tp; dedic; pref; tab cont; pls list; 10 chs; 3 appends; index; blank f.

Handsome, well-made, authoritative account of the crown jewels and regalia preserved in the Tower of London in that city. The color plates are good but not outstanding and depict the major pieces. The text opens with a description of the Coronation Ceremony, the service for which appears, however, in Appendix B, then passes on to descriptions of the objects by class, including the King's Plate and a chapter on the "greater Gems" in the Jewel House, Ch 8, 53-8. The latter provides brief histories and descriptions of Koh-i-Nur, Black Prince's Ruby, Star of Africa, Stuart Sapphire, Sapphire of St Edward, and Queen Elizabeth's earrings. The final two text chapters treat the throne and the vestments. Appendix A lists jewels and plate; Appendix C, former Keepers of the Jewel House. Brief literary references p viii.

7393. -----1919, de luxe edit "This Edition-de-luxe, on hand-made paper, is limited to one hundred copies of which this No.20." There are now 2 blank f before & after the numbered contents, all paper being stiff white stock, slightly rough surfaced. The plates are mounted on similar stock but the leaves are cloth-hinged, bound-in. Full dark red morocco, same frames & lett in gold on cover & spine, but the back cover now also fitted with the double-frame of the front cover but without the medallion. Inside edges gold-bordered with paste-downs cut away to expose same. The cover medallion, in gold, now is printed on both pastedowns & flyleaves. Aeg. 32 x 24.4 cm(12 5/8 x 9 5/8 in). Red marker ribbon. Due to excessive stiffness of the paper most copies examined are separated along pasted hinge joint between flyleaf & adjacent blank f. Red & black inits. JSL.

7394. -----1919, New York, standard edit

The Crown Jewels Of |.. | [vignette & caption] | Funk and Wagnalls Company, New York | Cassell And Company, Ltd | London, New York, Toronto and Melbourne | 1919

Dk maroon, ribbed cloth, plain blind-ruled frames on cover enclosing gold title & royal device, the latter not printed in medallion form; gold lett & rules on spine but without the scepter. P size same. Teg. JSL.

7395. YOUNGMAN, E P Zircon(the gem). *US BuMines Info Circ 6465*, July 1931, Washington, DC, 1931. Edgestapled: 20 p; 1 fig. 26.7 x 20.3 cm(10 1/2 x 8 in). JSL. Succinct compilation of most important facts & data: properties, lapidary treatment, nomenclature, history, attributes(lore), distribution & mining, commerce, prices, and with list of dealers in gem zircons, domestic & foreign.

YOURCENAR, M, see CALLOIS, R

7396. YUDIN, G L; KHABAKOVA, A V & LUKNITSKII, P N Mestorozhdenie lyapis- lazuli na Pamire [Deposits of lapis-lazuli in the Pamirs]. *Trudy Pamirskaya Ekspeditsiya 1930*, vyp 2(12), Leningrad, 1932, p 1-36. In Russ with Ger summ; not seen.

YUFEROV, D V, see FERSMAN, A E, 1920

YULE, Sir HENRY(1820-1889)

Brit army officer, explorer, geographer; apptd Bengal Engineers 1840; prolific author, best known for his splendid 2-vol *Marco Polo*, 1871, which won special honors from geogr socs Ital, Gt Brit. DNB 2356.

7397. -----1888

The History | Of | The Pitt Diamond. | Being An Excerpt From | "Documentary Contributions To A Biography a Of Thomas Pitt," | Prepared For Issue By | Hakluyt Society. | Edited By | Colonel H.Yule, R.E., C.B., LL.D., | President of the Society. | Fifty Copies Printed For Private Distribution. | London. | [rule] | 1888.

The above forms p cxxv-cxlvii of Vol 3, Hakluyt Soc Publ No 78: "The Diary of William Hedges, Esq., etc." 1889. Only fifty copies of this brochure were printed for private circulation. Brit Mus (Nat Hist) Cat.

8°: [1], [1 blank], 23, [1 blank]p; tip-in pl of Pitt diamond betw p 22-3. Bright yellow wrap with words "The Pitt Diamond" on front cover; wrap lined with white endp & flyleaves. 21.5 x 13.7 cm(8 1/2 x 5 1/2 in). Cut. JSL.

Cont: tp; blank p; text; blank p.

One of the rarest bits of famous diamond literature of all time, being Yule's compilation of information on the famous Pitt diamond, also known as the Regent, how it came into Pitt's hands, his adventures in attempting to ship & sell the diamond in Europe, and its ultimate cutting and sale to join the treasures of the French Crown Jewels. The plate shows several views of the lead model which was made of the rough crystal and which model is still in the British Museum(Nat Hist) in London. There are also two line drawings on the plate giving side & top views of the cut gem; the latter is in the Louvre, Paris.

7398. YURK, Yu Yu;KASHKAROV, I F: POLKANOV, Yu A; EREMENKO, G K & YALOVENKO,I P

Ministerstvo Geologii Ukrainskoy SSR | Institut Mineralnykh Resursov | Y.Yu.Yurk, I.F.Kashkarov, | Yu.A.Polkanov, G.K.Eremenko, | I.P.Yalovenko | Almazy | Peschanykh Otlozheniy | Ukrainy | Izdatelstvo "Naukova Dumka" | Kiev - 1973

Edgestapled: 166, [2]p; 61 fig, 30 tab. Pale blue decorated wrap, title in black on cover & spine. 21.1 x 14.8 cm(8 1/4 x 5 7/8 in). Cut. 76 k. Press run 800 copies. JSL.

Cont: tp; abstr & publ data; introd; 4 pts; biblio(p 157-65, 194 entries); tab cont; publ data.

Occurrences and properties & crystallography of diamonds found in alluvial deposits in the Ukraine; large number of diamond crystal illustrations.

YURKEVICH, R K, see BOBRIEVICH, A P, et al, 1959

7399. YUSHKIN, N P Yantar arkticheskikh oblastei. *Doklad na zasedanii Prezidiyma Komi filiala AN SSSR 24 Maya 1973, Seriya preprintov "Nauchnye Doklady,"* vyp 7, Syktyvkar, 1973. Centerstapled: 45, [3]p, 15 fig. Magenta col wrap, decorated. 22.3 x 16.3 cm(8 3/4 x 6 3/8 in). Cut. 19 k. JSL.

Engl resume:"The problem of amber and other fossil resins in main amber-bearing regions of Soviet Arctic (Pechora-Belomorsky, Easturalskiy, Karsky, Jana-Indigirsky, Penzhinsko-Anadirsky) is analyzed in this paper. Some data about foreign amber deposits are also given. Geological and mineralogical peculiarities of amber occurrence on the river Peschanaj (Yuogrosky peninsula), which we recently found, are described in detail. The average content of fossil resins in this occurrence is 2,087 kg/m^3[2.087]. Physical and chemical properties ...given, their typisation is made and general questions of genesis considered." The investigations employed chemical analysis, x-ray, IR and other light irradiations, mechanical tests, and thermal behavior. Photos show amber nodules and surface textures of same.

7400. ZADDACH, ERNST GUSTAV(1817-1881) Über die Bernstein- und Braunkohlenlager des Samlandes; erste Abhandlung. *Schrift k phys-ökon Ges Königsb*, Jg 1, 1860, p 1-44, Pls 1-4. Not seen: cited by Scudder, *Biblio Fossil Insects*, 79, "notices, pp.3-4, the numbers of insects found in amber, all distinct from living forms; and on pp.20-21 gives a table of the number of genera and species of the different orders of insects, with special mention of the remarkable genera Archaea and Amphientomum." Brit Mus (Nat Hist) Cat.

7401. -----1867 Das Tertiärgebirge Samlands. *Schrift k phys-ökon Ges Königsb*, Jg 8, 1867, p 85-197, 13 pls(Pls V-XVI, incorrectly shown as "VI-XVII" in the heading of the article, and without mention of a map of Prussia which is present); all pls fold, part col. 28 x 23 cm(11 1/8 x 9 1/8 in). GS 13-415; JSL.

Describes, delineates, and identifies Tertiary formations of the Samland (Baltic) region of Prussia in which amber deposits occur. One map shows all of Prussia with the Tertiaries shown in color and the amber-bearing formations shown in black; the remaining maps are cross-sections and plans in considerable detail.

7402. -----1868 Amber; its origin and history, as illustrated by the geology of Samland. *Quart J Sci*, London, v 5, 167-85, pl, London, 1868. Not seen; from Scudder, *Biblio Fossil Insects*, 79, "mainly compiled from the author's previous writings on the amber beds. It contains, however, as new matter, a plate of amber insects with explanation by Frederick Smith, and on pp.184-185, a list of the principal works on amber and the organic remains preserved in it, furnished by the editors."

7403. -----1869 Beobachtungen über das Vorkommen des Bernsteins und die Ausdehnung Des Tertiärgebirges in Westpreussen und Pommern. *Schrift k phys-ökon Ges Königsb*, Jg 10, Abt 1, 1869, p 1-82, fold part col pl. Sep in yellow, print wrap. 26,3 x 22.2 cm(10 3/8 x 8 3/4 in). Cropped. GS 7-1051.

Tertiary formations in Western Prussia and Pomerania were examined to establish the relationships between amber deposits and the formations. Gives much detailed information, stated precisely for localities and amber workings, pits, and mines. The author believed that amber, in many instances, washed into basins from places considerably removed, after which it was buried in the sediments in which now found.

7404. ZAINA, ITALO Le rocce ornamentali: origine, arte e industrie. Brescia: "La Scuola" Editrice, 1952, 64 p, ill. Properties, geneses, quarrying, etc, of ornamental stones; there is a section on the decorative stones of Italy. Not seen. LC A53-2518.

7405. ZAKHAROV, A A Gemmen und Siegel des Museums Georgiens. *Bull Mus Georgie*, V, 1930, p 242-68. Not seen.

ZAKI, M, see BASTA, E Z

7406. ZALEWSKA, ZOFIA Bursztyn w Polsce. Krótki przewodnik po wystawie. Warszawa: Museum Ziemi, 1964, 8°, 26 p, 13 pls. English title: Amber in Poland. A short guide to the Exhibition. 20 p. Not seen. Ambers exhibited in the Museum of Earth [Geology] in Warsaw.

7407. ZALINSKI, EDWARD R Turquoise in the Burro Mountains, New Mexico. *Econ Geol*, 2, 5, 1907, 464-92, fig 50-4. Refs 10 entries. JSL. Also sep in pale blue printed wrap.

"The following notes are from data collected during the year 1905 while the writer was superintendent of the Azure Mining Company's property near Silver City." Brief historical notes, followed by general & local geology(sketch map), deposit rocks, other turquoise occurrences in same mountains, the Azure vein system, exploitation, mineralogy, composition of turquoise, its genesis, treatment, commercial value of cut stones.

7408. ZANCANELLA, R Il diamante: manuale pratico [The diamond: a practical manual]. Istituto Gemmologico Italiano, Milan, pp.195. Illus in black-and-white and in colour. Not seen; from rev by M O'Donoghue, *J Gemm*, 20, 4, 1986, 255. "This is a useful and well-produced book dealing primarily with diamond grading and cutting, though there is a also a good deal of introductory information on the properties of diamond. Particularly useful are the coloured diagrams which illustrate how a stone is polished...final chapters describe how stones are tested and there is a short bibliography."

ZANETTI, G F, see GORI, A F, 1750

7409. ZANNONI Reale Galleria di Firenza illustrata. Serie V. Camei ed intagli. Florence: 1824-1831. 8°: 2 vol, engravs. Not seen; from Vinet 1517. The complete publ consists of 13 vols publ under direction of P Benvenuti with Zannoni, Montalvi and Bargigli.

7410. ZARA, LOUIS

Collectors' Blue Books | Jade | Louis Zara | [orn] a Walker And Company, New York [1969]

8°: 82, [2] p; 55 fig(photos) + 2 col pls on tip-in glossy f & includ in pag. Blue, unfin cloth, gold lett spine. Col dj, green, with b&w lett & col photo jade horse; resume, vita, other series bks. 29.8 x 14.8 cm(8 1/4 x 5 7/8 in). Cut. LC 69-15722. $4.50. JSL.

Cont: 1/2tp & photo; front photo; tp; dedic with fig captions & publ data; ackn; tab cont; introd; 7 chs; biblio(12 entries).

While written for the collector of jades, there is much valuable information included that should appeal to beginner and connoisseur alike. The first chapter treats geology & mineralogy of the jades and provides data of far more value than is normally present in jade books of greater pretensions. Of special interest are Zara's comments on the lapidary treatment of jades whose study will help any one distinguish them better on the basis of the surface evidence left after such treatment. This chapter also provides a fine discussion of the lore of jades. The next five chapters treat jades of China, Middle America, New Zealand, Eskimos & Indians of North America, and jades in India. Each chapter provides sources of raw materials, notes on lapidary treatment, stylistic trends, special objects, etc, and the periods during which certain types of work were accomplished. The last chapter is one of good advice to the novice collector. Photographs, obtained from a wide variety of sources, are variable in quality, generally from fair to good. The color plates are poor and one is distinctly wrong in color. This is one of the best books on jade available and despite its small size, the content of sound practical information exceeds that found in much larger works. Rev *G & G*, 13, 4, 1969-70, 136; summ by G M Born, p 359-10.

7411. -----1969 London: Studio Vista. Grayish-green cloth-type paper over bds; silver spine lett. 24 s or £1.20. ISBN 289 79707 1. JSL.

7412. ZARACHOVIC, J A Yantar. Kaliningrad, 1966, 155 p. Not seen; from G R v Bock, 1981, p 182.

ZARETSKIY, L M, see ROZHKOV, I S, et al

ZARKA, A, see SBORNIK NARODNIHO MUZEA

7413. ZAVARITSKII, ALEKSANDR NIKOLAEVICH(1884-1952) Geologicheskii i petrograficheskii ocherk Ilmenskogo Mineralogicheskogo Zapovednika i ego kopei. *Akademik A.N.Zavaritskii Izbrannye Trudy*, t 2, Izdatelstvo Akademii Nauk SSSR, Moskva, 1958, p 3-308, col fold geol map(39 x 49.5 cm; 15 x 19 1/2 in); 15 fig. The complete vol in 8°: 735, [1]p; portr pl of Z tip-in; many pls, figs; errata slip. Brown cloth, blind-stamped frame & lett, also gold lett on cover & spine. 26 x 16.9 cm(10 1/4 x 6 5/8 in). Cut. 45 r 10 k. Press run 3,500 copies. LC 57-24824. JSL.

Provides a geological-petrological sketch of the Ilmen Mountains Mineralogical Reservation with succinct accounts of the deposits and mines, of which there are 145 open pits in the region, many emplaced on granitic pegmatite bodies and yielding a variety of interesting and valuable minerals. Among them are quartz, amazonite, topaz, aquamarine, and others, from a total of 86 recorded species. The figures are mainly pen & ink views of famous pegmatite mines while the colored map delineates the mineralized regions in the region immediately north of the city of Miask; the occurrences of pegmatites are indicated in a belt of metamorphic rocks that lie just east of the mountain range.

7414. ZAZOFF, PETER Die minoischen, griechischen und etruskischen Gemmen der Privatsammlung Dr.Johannes Jantzen, Bremen. *Archäol Anzeiger*, 1963, 41-88. Not seen.

7415. -----1965 Gemmen in Kassel. *Archäol Anzeiger*, 1965, p 1-114. Not seen.

7416. -----1983

Die Antiken Gemmen | Von | Peter Zazoff | [logo] | C.H.Beck'sche Verlagsbuchhandlung | München [1983)

"Handbuch Der Archäologie," herausgegeben von Ulrich Hausmann

8°: blank f + LI, [1 blank], 446p + [68] glossy f with over 1500 photos on 132 pls; 82 text fig. Black cloth, gilt spine title; te stained pale red. Yellow dj, resume. 24 x 16 cm(9 1/2 x 6 1/4 in). Cut. ISBN 3 406 08896 1. JSL.

Cont: blank f; 1/2tp; tp; publ data; tab cont; fwd; author fwd; text figs index; pls figs index; biblio(p XLVII-LI, 84 entries); introd; 16 chs; index; pls; 3 blank p.

The text is preceded by a condensed survey of previous investigations into the subject of engraved gems with Zazoff noting early developments during the Renaissance and that treatises were already being published in the 16th century, eg, Fulvio Orsini, *Imagines et Elogia Virorum Illustrium*, 1570. Collectors & connoisseurs of engraved gems are carefully traced from this earliest period, as well as the published works, into the modern era, with use of selected illustrations taken from same. A considerable number of engraved gem treatises were published after WW II, especially from the mid 1950's, and Zazoff pays close attention to them. The text is highly detailed and printed in small type which actually means that this is an enormous work despite its modest physical size.

The historical text begins with Minoan and Mycenean seals, then passes to Greek "geometric" engraved stones, Cypriot gems, "Island" stones of Greece, and so on, to the Christian pieces of Late Antiquity and the Middle Ages, and ending with gems of the modern era and remarks on the present-day practise of gem cutting in Europe. The remarks in each of these chapters are by no means confined to stylistic discussions but also include much useful information on materials, schools of engraving, engravers, collections & collectors, etc. This work and the one that follows are both timely and valuable; they should stand as authoritative reference works for many decades.

7417. -----1968 Etruskische Skarabäen. Mainz, 1968, vii, 227 p, 55 pls, cloth, 31.5 x 23.5 cm. Not seen; from Thomas Heneage, London, Catalogue 8, 1984, No 364.

7418. -----1968-70 Antike Gemmen in deutsche Sammlungen. München: Prestel, 1968-1970. In five vol. Not seen; from Arntzen, P591. Some volumes divided into two. Photo-illustrated.

ZAZOFF, PETER, see GERCKE, P, et al; also SCHLÜTER, M, et al

7419. ZAZOFF, PETER & ZAZOFF, HILDE

Peter Und Hilde Zazoff | Gemmensammler | Und Gemmenforscher | Von Einer Noblen Passion Zur | Wissenschaft | [logo] | C.H.Beck'sche Verlagsbuchhandlung | München [1983]

8°: XII, 285, [1 blank], [1], [1 blank]p; 48 pls with ca 205 ill on both sides of 24 glossy bound-in f; front ill; 55 text fig. Black cloth, gilt spine title. Te stained pale red. Yellow pictorial dj, flap resume. 24 x 16 cm(9 1/2 x 6 3/8 in). Cut. ISBN 3 406 08895 3. JSL.

Cont: 1/2tp; front; tp; publ data; tab cont; fwd; text tp; text; epilog; pls index; text figs index; general index; gloss; biblio(p 278-85, 137 entries); pls tp; pls.

The finest contribution to the literature of engraved gems since A Furtwängler's *Die antiken Gemmen*, 1900. Unlike the broad coverage of the subject by the latter, the present work bases its discussions on the careers of famous collectors and connoisseurs from the time when heightened appreciation of engraved gems as works of art and as significant archeological objects inspired intensive collecting activity and study. Accordingly, the text is divided into collecting periods, beginning with Stosch(1691-1757) and then passing through periods in which such important persons stood out as Winckelmann, Lippert, Furtwängler, and lastly, Paul Arndt(1865-1937). Under this scheme, very little space is devoted to early phases of the art, the gem materials, or the techniques of gem engraving. Instead, most of the text devotes itself to the collectors themselves, their collections, publications concerning same, and ultimate dispositions of the collections or individual pieces. Most gratifyingly, the authors provide us much detail as well as selected illustrations taken from older books thus making the present work an invaluable reference source. A special feature is the generous use of sharply-reproduced titlepages, portraits, engraved gems, and even cartoons lampooning certain famous collectors. No important work is omitted in the bibliography although paginations and illustration counts are regrettably omitted.

ZEALLEY, A E V, see MACGREGOR, A M

ZEITNER, JUNE CULP(1916-)

Popular writer, esp gemological subjects; BA U North SD; Spec Editor, *Lap J.*

7420. -----1956

Midwest Gem Trails | A Field Guide for the Gem Hunter, the | Mineral Collector and the Tourist | Includes |...[3 lines of states]...| By June Culp Zeitner | First Edition - 1956 | Price $2.00 | Copyright 1956 | By The | Mineralogist Publishing Company | 329 S.E. Thirty-Second Avenue, Portland 15, Oregon

Centerstapled: 64 p; 28 photos, 1 map. Bright red, thick paper wrap, black title on cover. 22.9 x 15.3 cm(9 x 6 in). JSL. LC56-14305.

Collecting experiences of the author in numerous states of the Midwest; materials are mostly chalcedonic varieties of quartz, also petrified wood, cycads of South Dakota, agates, sand calcites(!), garnet, rose quartz and pegmatite minerals of the Black Hills. Highly informal writing style.

7421. -----1960, 2nd edit 80 p, 47 photos, 2 sketch maps. Similar wrap but cover title now enclosed in double-rule frame and "Second Edition" added. Largely revised, adds new material and photographs. JSL.

7422. -----1964, 3rd edit

Midwest Gem Trails |...| Third Edition | Completely revised | [logo] | Price $2.00 | Copyright 1964 by Gembooks | Published by | Gembooks | Mentone, California

Centerstapled: 80 p; 32 photos, 21 sketch maps. Col wrap, overall photos of agates on both covers; title in orange panels on front. 21.5 x 14.1 cm (8 1/2 x 5 1/2 in). Cut. JSL.

Much improved, enlarged, and with many maps added but the latter are often too small to be easily interpreted.

7423. -----1964 Plume - the regal agate. *Lap J*, 18, 1, 129-37, sketch map, 2 ill. Pt 2: More agate varieties, ibid, 18, 2, 245-51, ill. Popular survey of many varieties of agate. JSL.

7424. -----1968

Appalachian | Mineral & Gem Trails | By June Culp Zeitner | Copyright, 1968 By | Lapidary Journal, Inc. | First Edition | First Printing...October 1968 |...| Published By | Lapidary Journal, Inc. | P.O.Box 2369, | San Diego, Calif. 92112 |

Printed In The U.S.A. By | Arts & Crafts Press | San Diego, Calif.

Edgestapled: [blank f] + p III-IV + 134 p; fullp glossy col pl; 150 photos; 50 sketch maps. Stiff, glossy wrap, col photo on cover; spine & back bright green. 29.1 x 21.8 cm(11 1/2 x 8 5/8 in). Cut. $4.00. JSL.

Cont: blank f; tp; col pl; dedic & pref; tab cont; 13 chs; ps; biblio (p 133-4, 85 entries).

In a somewhat rambling work, laced with descriptions of scenery, geography, and other matters which are not fully germane to the principal purpose, the author directs readers to numerous collecting sites and tells how to get there and what to find. In some instances, older or extinct localities are included. A large number of the photographs are of scenery and were obtained from publicity agencies. On the whole, a useful and interesting guidebook for the states along the Eastern Seaboard, from New Jersey to Florida, and including West Virginia, Kentucky, Tennessee, and Alabama.

7425. -----1972

Southwest | Mineral | Gem Trails | By June Culp Zeitner |...[5 lines of states]...| Copyright, © 1972 By The Lapidary Journal, Inc. | First Edition | First Printing...August, 1972 |...| Published By | Lapidary Journal, Inc. | P.O.Box 80937, San Diego, California 92138 | Printed In The U.S.A. By | Arts & Crafts Press | San Diego, Calif.

Cementb: [blank f] + p III-IV + 146 p; 220 photos, 65 sketch maps. Glossy wrap, col photo on cover; spine & back cover pale blue. 27.9 x 31.6 cm(11 x 8 1/2 in). Cut. $4.50. JSL.

Cont: blank f; tp; dedic & pref; tab cont; 6 chs; ps; biblio(p 144-5, 90 entries); code of ethics.

Companion volume to the above but better-written and with more details on localities and how they are reached as well as what is to be found. The illustrations are far more germane, perhaps reflecting the author's more extensive travels in this region of the United States. Much more information is firsthand quality and more time is spent on truly important sites that was the case in the previous guidebook.

7426. ZEITNER, JUNE CULP & HING WA LEE

How to Carve | Jade & Gems | By | June Culp Zeitner | with | Hing Wa Lee [np; except for authors, the title is hand-drawn, with ornament]

Pii:Copyright 1984, LC 87-90064, Published by Northern Gem Press.

8°: vi, 130 p; 18 col photos on 8 bound-in glossy f counted in pag(p 59-745; ca 90 b&w photos. Plasticized green paper over bds, stylized lett & carving on cover in gold; gold spine title. 22.9 x 15.2 cm(9 x 6 in). Cut.

Cont: tp; publ data; tab cont; pref; 7 chs; 4 appends; biblio(p 125-6, 6 bks, ca 40 arts); ackn; index; biog sketches(2).

A book that blends information and advice from the skilled professional carver in the Chinese manner, Hing Wa Lee, and that culled from numerous articles in Lapidary Journal but ignoring others published in other magazines. Topics: appreciation of carvings, gem materials, making small tools & points, step-by-step instructions for making several sample pieces of increasing difficulty, and a potpourri of many tidbits of information. The appendixes gives sources of supply, polishes & buffs, Mohs hardness scale, glossary, and carving ideas. The illustrations are largely of Chinese-style pieces made by Hing Wa Lee, and many of them very fine pieces of work. There is much to be learned in this book but it fails to stress the actual manipulations and other moment-by-moment actions that the carver must take during his carving. Rev J Sinkankas, *G & G*, 24, 1, Spring 1988, 60-1.

7427. ZEMBNITSKII, Ya G O mestorozhdenii almazov v Rossii. *Trudy Min Obshch*, 1842, ch 2, 270-82. Not seen.

ZEMYATCHENSKEY, PETR ANDREEVICH(1856-1942)

Russ mineralogist; educ St Petersb U; apptd curator in its Museum of Mineralogy 1883; wrote textbks on mineralogy, crystallography. Biogr note by L J Spencer, *Min Mag*, 28, 199, 1947, 228.

7428. -----1400 Izumrudy i berilly Uralskikh izumrudnykh kopei...Ueber Smaragden und Berylle aus den Smaragdgruben des Urals. *Trudy Imper S Petersb Obshch Estestvoispytately [Travaux de la Soc Impériale des naturalistes]*, otdel geol i mineral [sect de géologie et de minéralogie], 29, 5, 1900, p 1-21, pl. Title also in German and with German summary & captions to figures upon the plate.

Describes the emerald mines in the Ural Mountains then under lease to The New Emeralds Company, the geology & mineralogy of the deposits, and gives three analyses of emeralds from Takowaya, also of the enclosing mica, optical properties, optical anomalies noted under crossed nicols. The plate show photos of two such anomalies and a small geological sketch map of the mines area.

7429. ZENZÉN, NILS Om den såsom Svenskt Krigsbyte i Prag År 1648 tagna S.K. "Stora Rubinen." Separate: *Med Hammare och Fackla* 2, Arsbok utgiven av Sancta Örjens Gille, 1930, p 85-152, 5 fig. Edgestapled, pale tan paper wrap, cover title. 24.5 x 17.1 cm(9 5/8 x 6 3/4 in). Cut. JSL.

Traces the history of a 50.2 gm "great ruby" which was once among the jewels in the imperial treasure in Prague, and removed by troops under H C von Königsmarck in 1648 during the sack of Prague in the Thirty Years War. The stone was sent to Sweden and in 1777 presented to Catherine II of Russia by Gustaf III. When examined by A E Fersman during his inventory of the Czarist treasure in 1925, he found it to be a pink tourmaline of no particular value or merit.

ZEPHAROVICH, VICTOR LEOPOLD VON(1830-1890)

Austrian mineralogist; from 1864 prof mineralogy in the Ger Inst in Prag; govt superintendent of mines; prof mineralogy Cracow U. Pogg 6.

7430. -----1859-1893

Mineralogisches Lexicon | Für Das | Kaiserthum Österreich | Von | Victor Ritter Von Zepharovich, | K.K.Professor An Der Universität Krakau. | I [-III]. Band. | 1790-1857 [-1858-1872; 1874-1891]. | [rule] | Wien, 1859[-1893]. | Wilhelm Braumüller. K.K.Hofbuchhändler.

The title of Vol 3 further includes "Enthaltend Die Nachträge Aus Den Jahren 1874-1891 | Und Die General-Register. | [rule] | Nach Des Autors Hinterlassenem Manuscripte | Bearbeitet Von | F.Becke, | C.M.Kais.Akad. | [rule] | Herausgegeben | Auf Kosten Der V.Von Zepharavich-Stiftung Durch Die Kais.Akademie | Der Wissenschaften In Wien. | [orn rule] | Verlag Des Kais. Akademie Der Wissenschaften In Wien. | In

Commission Bei F.Tempsky, Akadem. Buchhändler. | Wien 1893."

8°: Band I: XXX, [1], 627, [1 blank], [2]p. Bd II: XIV, [1], 436 p. Bd III: XIV, [1], 478, [1]p. 21.8 x 13.8 cm(8 1/4 x 5 1/2 in). Cropped. JSL.

The classic topographic mineralogy of the Austrian Empire which at the time included portions of northern Italy, countries of the Balkans, those of Czechoslovakia, and Hungary. The localities are arranged in provincial groupings with the species under each in alphabetical order. Included are a considerable number of gemstones: aragonite, emerald, epidote, diopside, almandine, sapphire, meerschaum, nephrite, "obsidian"(moldavite), olivine, opal & precious opal, pyrope, quartz(large sections on all types), serpentine, succinite(amber & jaulingite), and tourmaline. The long delay in issuing the third volume caused many sets to be incomplete; today, even single volumes are hard to find while complete sets are quite rare. For notes on Zepharovich's life & work see K Vrba, *N Jb Min*, 2, 1890. GS 5-487.

ZEPHAROVICH, V v, see MOORE, G E

7431. ZERRENNER, CARL MICHAEL(1818-1878)

De Adamante | Dissertatio, | Scripsit | Carolus Zerrener, | Dr.Phil. | [rule] | Lipsiae, | Guilielmus Engelmann. | MDCCCL. [Leipzig, 1850]

8°: 20 p. 23.2 x 14.8 cm(9 1/8 x 5 7/8 in). Self-wrap, cover title. Cropped. USGS Kunz Coll, GS 34-569; Brit Mus(Nat Hist) Cat.

Cont: tp; blank p; dedic; blank p; index; blank p; text.

Generalities on the diamond: nomenclature of diamond terms, ancient sources of diamond, diamond in Brazil, in the Urals, Algeria, Mexico, and America; itacolumite as possible matrix for the diamond in Brazil; amorphous diamond; properties.

7432. -----1851

Anleitung | zum | Gold-, Platin- und Diamanten-Waschen | aus | Seifengebirge, Ufer- und Flussbett-Sand | unter Voraussendung einer | geognostischen Charakteristik des die genannten Mineralien führenden Seifengebirges | und einer Zusammenstellung verschiedener Ausbeutungsmethoden desselben | in verschiedenen Gegenden der Erde, | von | Dr.Carl Zerrener, | ehemaligen Vice-Hauptverwalter der Fürstlich Butera-schen Eisenhüttenwerke, Salinen, | Gold-, Platin- und Diamanten-Gruben am Ural. | Mit drei lithographirten Tafeln. | [double rule] | Leipzig, | Verlag von Wilhelm Engelmann. | 1851.

4°: [8], XCIII, [2], [1 blank], 28 p; 3 fold litho pls. 27.3 x 22 cm (10 3/4 x 8 5/8 in). Cropped. BM(Nat Hist) Libr; USGS Kunz Coll, GS 34-281.

Cont: tp; dedic; fwd; tab cont; text tp; text; append; errata; text tp; text; pls.

The text in two parts describes firstly typical alluvial deposits of gold, platinum and diamonds, and summarizes the methods used in recovery (washing). The second part describes in considerable detail the several machines used, also prospecting techniques, and statistics on workmen engaged in such mining in the Ural Mountains of Russia where Zerrener was employed as superintendent of mining in the Butera concern. Lengthy and useful remarks are also furnished on diamond deposits of Borneo, India, and Brazil, along with brief histories of the largest stones from Borneo, India, and other places.

ZETTEL, T, see MOISSAN, H, 1897, 1900

7433. ZETTERSTEN, ARNE

Arne Zettersten | A Middle English | Lapidary | CWK Gleerup Lund [1968]

Acta Universitatis Lundensis Sect I, Theologica Juridica Humaniora 10. Lund: Berlingska Boktryckeriet.

8°: 50, [2]p; tip-in glossy photo pl. Pale gray printed wrap, series & title with university seal on cover. 24.4 x 17.3 cm(9 3/4 x 6 3/4 in). Uncut.

Cont: ser tp; publ data; tp; publ data; pref; tab cont; text; biblio (p 49-50, 48 entries); abbrevs; index of stones.

A study of a lapidary identified as Bodleian Library MS Eng.misc.e.558, with introductory remarks on Old and Middle English in general, the MS, its language, etc. Treats 37 stones, including gemstones, and is claimed to be a "rather close translation of the Second Anglo-Norman Prose Lapidary" of Studer & Evans *Anglo-Norman Lapidaries*, 1925, p 111-36, which see.

ZEZZA, U, see MICHELE, V DE

7434. ZHANG, WENJI Zhongguo yuqi shi [The history of Chinese jade]. Hong Kong: 1978, 173 p, 77 col pls, 27 x 19 cm. Cloth. Not seen; from Han-Shan Tang, London, List 28, 1985, no 112; Yang 20.

7435. ZHU DERUN Guyu tu [Illustrations of old jade]. No place, 1752, 2 chs, many woodblock ill, 29 x 19 cm, stitched. Not seen; from Han-Shan Tang, London, List 28, 1985, no 113, "originally published in 1341, this book was re-edited for the Qianlong emperor and published in 1752. It illustrates a variety of archaic jades with brief comments." Yang 908.

7436. ZHUKOV, LEONID NIKOLAEVICH

Bibliotechka | Iskatelya | Poleznykh Iskopaemykh | [rule] | L.N.Zhukov | Kak Iskat | Podelochnye | I Dragotsennye | Kamni | Izdanie Vtoroe | [logo] | Gosudarstvennae Nauchno-Tekhnicheskoe Izdatelstvo | Literatury Po Geologii | Okhrane Nedr | Moskva 1962

Centerstapled: 36, [4]p; 12 fig. Green & white wrap, scene & title on cover in white, pale green, dk green. 20.3 x 12.8 cm(8 x 5 in). Cut. Press run 25,000. 6 k. JSL.

Cont: tp; introd; text; biblio(p [37], 8 entries); tab cont; publ data; 2 advert p.

How to search or prospect for ornamental and precious stones, especially within the USSR. Gives meager information on nature of rocks and genesis of gemstones, history of lapidary industry in USSR, lapidary techniques, classes of gemstones, descriptions of gemstones with notes on type occurrences and deposits, gem-bearing regions in USSR, and other information. The gemstones are diamond, beryl, corundum, chrysoberyl, quartz, garnet, tourmaline, calcite, spodumene, zircon, topaz, amber, jet, and various massive ornamental stones. Elementary, for popular consumption.

7437. ZHUKOV, V V; GORINA, I F & PINCHUK, L Ya

Ministerstvo Geologii SSSR | Trudy Nauchno-Issledovatelskogo Instituta Geologii Arktiki | Tome 156 | V.V.Zhukov,

I.F.Gorina, L.Ya.Pinchuk | Kainozoiskie | Almazonosnye | Rossypi | Anabaro-Olenekskogo | Mezhdurechya | (Usloviya Formirovaniya | I Zakonomernosti Razmeshcheniya) | [logo] Izdatelstvo "Nedra" | Leningradskoe otdelenie | Leningrad-1968

8°: 142, [2]p; 37 ill(maps, profiles); 8 tab. Black cloth, white lett, blue decor. 26.1 x 17 cm(10 1/4 x 6 3/4 in). Press run 700. 1 r, 12 k. JSL.

Cont: tp; resume; introd; text; concl; biblio(p 140-3, ca 80 entries); tab cont; publ data.

Cenozoic diamondiferous gravels in Anabar-Olenek region of Arctic Siberia; details on geology, areal extent, samplings, potentials, types of diamonds, etc.

7438. ZIEGLER, VICTOR (1886-)

South Dakota School of Mines | Bulletin No.10 | Department of Geology and Mineralogy | [rule] | -The- | Minerals Of The Black Hills | By | Victor Ziegler | [rule] | Rapid City, South Dakota | February, 1914

Edgestapled: 250, [4]p; 31 pls(front fold sketch map Black Hills; others glossy pls of mineral specimens); glossy sketch map of mineral localities with accompanying explan leaf & not includ in pag; 3 fold tabs; 73 small crystal drawings. Pale gray, thick paper wrap, cover title. 23 x 15.3 cm (9 x 6 in). Cut. JSL; GS 14-732.

After preliminary matter on mineralogy & crystallography, there follow descriptions of minerals arranged in crystallo-chemical orders. The data on gemstones is meager: quartz varieties, almandine, serpentine, barite, and alabaster. However, there is included a useful bibliography of 114 entries, arranged chronologically, p 229-48. Scarce.

7439. ZIM, HERBERT SPENCER(1909-)

Herbert S.Zim | Diamonds | Illustrated by Gustav Schrotter | [orn of cut gems] | William Morrow & Company Inc. | New York 1959

8°: 64 p; many sketches, maps, diagrs. Bright blue cloth, silver gems on cover; silver spine lett. Pale blue dj, b&w lett, vignette, vita & portr, resume, advert. 21 x 15.7 cm(8 1/4 x 6 1/8 in). Cut. $2.50. LC 59-5351. JSL.

Cont:tp; ackn & publ data; text.

In the series "Morrow Junior Books" and a worthy addition to juvenile literature, providing a general picture of the diamond and emphasizing the relatively unimportant finds in the United States. On the whole, accurate, interestingly written. Zim, native New Yorker, obtained PhD Columbia U; tchr of science & prolific writer natural history & technology works.

ZIMMERMANN, G A v, see MAWE, J, 1816, Bamberg & Leipzig edit

7440. ZIMMERN, HELEN

Stories In Precious Stones. | By | Helen Zimmern. | With Six Illustrations. | London: | Henry S.King & Co. | 65, Cornhill, & 12, Paternoster Row. | [rule] | 1873.

8°: [12], 192r + 29, [2]p of adverts; front wood engrav pl with tissue, tip-in; 6 text wood engrv; ch orns. Red cloth, black rules & stars surround gold lett & elaborate ornament on front cover; similar decor spine; black rules & stars only on back cover. Bev bds. Dk greenish-gray, dull finish endp. 18.7 x 12.5 cm(7 3/8 x 5 in). Cut. Teg. USGS Kunz Coll, GS 33-37; JSL.

Cont: 1/2tp; front; tp; publ data; dedic; pref; tab cont; tab of birthstones; tab of gem attributes; 12 chs; publ catalog.

Stories based on some property, real or imagined, of one of the approved birthstones of the jeweler, one gemstone per month. The table of birthstones includes lists for Persia, Rome, Poland, and Arabia. Scarce.

Another issue of same date is called "Second Edition" on titlep but is merely a reprint.

7441. ZIOLKOWSKI, THEODORE Der Karfunkelstein. *Euphorion*, 55, 1961, 298-326. Not seen; from C Meier p 541.

7442. ZOBI, ANTONIO Notizie storiche riguardanti l'I. e R.Stabilimento dei Lavori Commesso in Pietre Dure di Firenze. Firenze, 1841, 8°: 278 p. Not seen.

7443 -----1853, 2nd edit

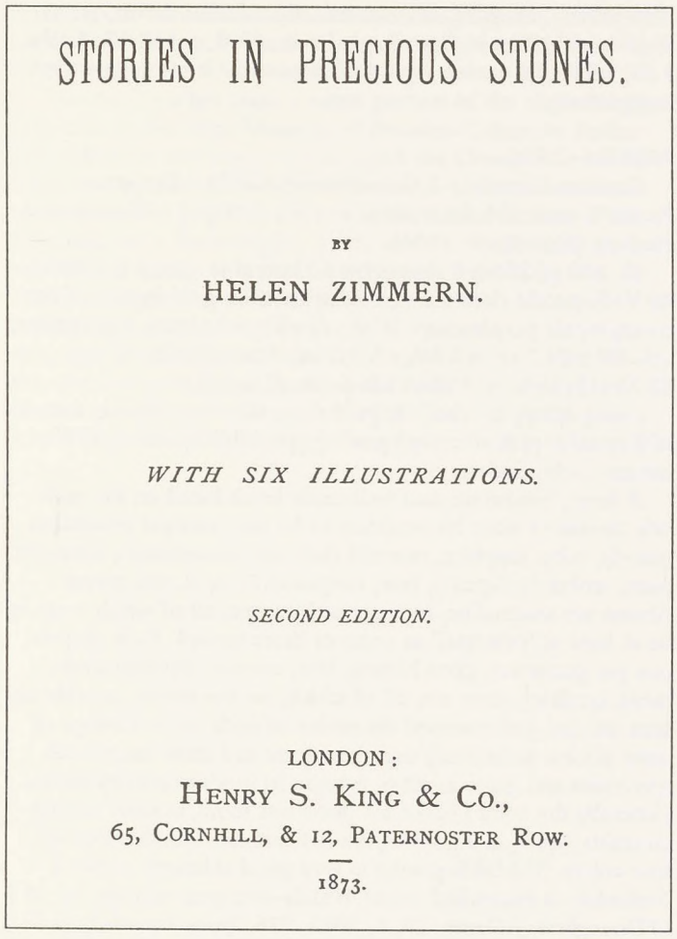
Notizie Storiche | Sull'Origine E Progressi | Dei Lavori Di Commesso In Pietre Dure | Che Si Eseguiscono | Nell'I. E.R. Stabilimento Di Firenze | Raccolte E Compilate | Da | Antonio Zobi | [rule] | Second Edizione | Con Aggiunte E Correzioni Dell'Autore | [coat-of-arms] | Firenze - MDCCCLIII [Coi Tipi della Stamperia Granducale, 1853]

8°: 252 [recte 352]p; 2 bound-in, hand-col & varnished pls of pietre dure, with outer margins folded inward (facing p 319 & 322). Pale green paper over bds, title in elaborately-scrolled frame on cover; title with orn rules, wreath, etc on spine; frame on back cover encloses ducal arms. 23.1 x 14.5 cm(9 1/8 x 5 3/4 in). Uncut. JSL.

Cont: 1/2tp; tp; press note; pref; dedic; introd; 6 chs; list of stones; roll of masters, designers, directors; tab cont.

In this scarce work Zobi gives a detailed history of the development of the art of gemstone inlay, or pietre dure work, and of the Florentine school and its master craftsmen who helped to create the preeminent position of the school and its products even into modern times. The term "commesso" or more properly, "lavoro di commesso," or intarsia, is used to distinguish the work from ordinary mosaic in which irregular bits & pieces of stone are used to create designs whereas in commesso each piece in the design is fitted with wonderful exactness such that the joins between them are scarcely noticeable. All pieces are not only carefully tailored to fit but also chosen for their color and texture to add to the artistry & realism of the subject. The text identifies and comments on early Florentine masters of such work and also those who cut and engraved rock crystal, after which Zobi examines the true origin of such stone work and its continuing improvement. Numerous citations from art historians and others appear throughout the text and in footnotes. In ch 6, dealing with the final phase of development, appear the two color plates noted above, the first a circular plaque with colorful floral bouquet in the center, and the second depicting two rectangular plaques, one of fruits & flowers with vase & dish against a lapis-lazuli ground. Both plates are carefully hand-painted and outlined in gold-paint borders. Inexplicably, perhaps due to a change in printing plans, both plates had to be folded inward to physically fit within the book, even though the latter is obviously full size, as issued!

Following the text is a list of the stones adopted for use in the factory. These are arranged according to class in quartz varieties, crystalline & cryptocrystalline, and further include petrified wood; other materials are various rocks as granites,



STORIES IN PRECIOUS STONES.

BY

HELEN ZIMMERN.

WITH SIX ILLUSTRATIONS.

SECOND EDITION.

LONDON:
HENRY S. KING & CO.,
65, CORNHILL, & 12, PATERNOSTER ROW.
—
1873.

7440. Birthstone lore is the basis for twelve stories in this interesting juvenile book; the "Second Edition" is merely a reprint

labradorite, amazonite, porphyries, serpentine, basalt, lapis, nephrite, and the black fine-grained bituminous limestone that so often is used as the base for inlay. Next is a roll of master-workers, designers, and directors of the Florentine factory, listed from 1574 to 1824. So far as I know this book is unique although some history and descriptions of several objects in the present-day museum of pietre dure in Florence appear in L Bartoli & E A Maser, handbook-guide, which see. Graesse, VIII, Suppl, 498, identifies the plates as chromolithographs. See also the magnificent work on pietre dure by GIUSTI et al, 1978.

7444. ZOLLARS, H L

First Edition | Copyright 1955 | The | Agate Pete | Stories And Poems | Written by | H.L.Zollars | Published by | General Letter Service | El Paso, Texas

Centerstapled: [2 blank], [2], 84, [4 blank]p. Thick, tan leather-grained wrap, sketch of prospector & burro on cover against pale blue agate nodule pattern(taken from an actual specimen); black title. 21.2 x 13.6 cm(8 3/8 x 5 3/8 in). Cut. JSL.

Poetry & whimsy, some originally published in *The Voice*, the bulletin of the El Paso Mineral & Gem Society.

7445. ZORINA, I P Zhemchug [Pearl]. Moskva: Znanie, 1972, 42 p. Not seen.

7446. ZRYAKOVSKIY, MSTISLAV SERGEEVICH & MAKAROV, NIKOLAY NIKOLAEVICH

M.S.Zryakovskiy, N.N.Makarov | Tayna Yakutskikh | Almazov | Gosudarstvennoe Izdatelstvo | Geograficheskoy Literatury | Moskva 1958

8°; 108, [4]p; 29 ill(all photos except sketch map & cross-sect). Black wrap, blue diamond crystal on cover with yellow lett. 20 x 12.9 cm (7 7/8 x 5 in). Cut. 1 r, 75 k. Press run 25,000. LC 58-42920. JSL.

Cont: tp; abstract & publ data; text; tab cont; publ data; other publ bks.

"Secrets of Yakut diamonds," a popular history of the exploration of remote Yakutia in Siberia, seeking for and finding diamonds. The latter were first discovered in alluvials and then traced to pipe sources. The photos are of scenery and persons engaged in prospecting.

7447. ZSCHAU, JOHANNES CHRISTOPHORUS

Dissertatio physica de margaritis...praeside ...Dn.M.Sebast.Kirchmaiero...Wittenberg: 18 Nov 1665. 4°: [16]p. An academic dissertation on pearl. Not seen; from a bookseller's catalog of 6/75.

ZUCKER, BENJAMIN(1940-)

NY gem merchant; grad Harvard U Law School; ent family precious stones business; widely traveled; CG Amer Gem Soc.

7448. -----1976

How To Invest | In Gems: | Everyone's Guide to Buying | Rubies, Sapphires, Emeralds, | and Diamonds | [orn] | Benjamin Zucker | [logo] | Quadrangle / The New York Times Book Co. [New York, 1976]

8°: viii, 120 p; 44 col photos on 16 bound-in glossy f; 10 fig. Two-tone black & gray cloth, the black unfin cloth covering spine; silver title & logo on spine. Black dj, with col lett & photo of emerald on cover; col portr back cover with vita; flap resume. 22.7 x 15.3 cm(9 x 6 in). Cut. $12.50. LC 75-36261; ISBN 0-8129-0606-3. JSL.

Cont: 1/2tp; tp; dedic & publ data; tab cont; introd; 12 chs; append in 6 sects; gloss; biblio(f 111-4, 22 entries); ackn; index.

A self-serving guide to the general public strongly suggesting that if they wisely purchase a series of gems in what Zucker terms "portfolios," they could realize a substantial profit upon resale some years after. The text accordingly begins with defining gems and explaining why they are good investments, followed by how one may invest in rubies, sapphires, emeralds, and diamonds, with bolstering arguments and citing cases in which similar investments have paid off handsomely. After the major gems, other chapters take up the lesser species, the matter of appraisals, tips on attending auctions, and suggested "portfolios" in terms of total dollar sums. The appendices give current gem prices, suggest visits to museums, briefly describes the functions of the Gemological Institute of America, briefly notes the evolution of jewelry-making and lapidary work, then gives short biographies of Fabergé, Marco Polo, and Louis XIV. The very short glossary is not very useful and the bibliography lists mainly modern works but omits any work that deals with gems as

investments. The text is filled with redundancies, unclear and overly romantic passages, unsupported statements, and material that is not germane. The illustrations are generally inadequate. Possibly due to its defects this book received very little notice in journals, but see the penetrating and unfavorable review by J S White, *Mineralogical Record*, 8, 1, 1977, 66-7, "a strange mixture of promotion of the author's own company, extollment of his family, and much dubious or downright information about gems...it appears to have been hastily slapped together with little planning or research."

7449. -----1979, new edition, new title

How To Buy | And Sell Gems: | Everyone's Guide to | Rubies, Sapphires, Emeralds | and Diamonds | [orn] | Benjamin Zucker | [logo] | Times | Books [New York, 1979]

Cementb: ix, [1 blank], 117, [1 blank]p; same ill. Gray cloth, silver lett on spine; dk blue-gray endp. Similar dj. P size same. $12.95. LC 79-10182; ISBN 0-8129-0903-8. JSL.

Introd rewritten; material added to Ch 1, also in several other places, eg, on European museums and gemological institutes; prices updated; a few errors corrected.

7450. -----1979, Poole, Dorsetshire, Engl, Blandford Press, 1979. Not seen.

7451. -----1980, Tel-Aviv, Israel, in Hebrew. Tel-Aviv: Editions Sadan, 1980.

8°: 88 p; 21 col photos on 8 bound-in glossy f not includ in pag; 4 text fig; tables. Pale blue paper over bds, gilt spine title. Black dj, col photos both covers; flap portr, vita, resume. 20.9 x 13.5 cm(8 1/4 x 5 1/4 in). Cut. Stiff, pale yellowish-tan paper. ISBN 965-234-005-7. JSL.

Cont: 1/2tp; tp; publ data & Engl title; tab cont; prelims; text.

According to Hebrew convention, the text runs in reverse order.

7452. -----1981, Fr, with SÜSSMANN, BETHSABÉE

Acheter | des Pierres Précieuses | [orn] | Pourquoi - Quand - Comment | Guide d'achat des rubis, saphirs, émeraudes et diamants | Benjamin Zucker | Trad. et adapt. B.Süssmann [Genève: Hugo Buchser S.A., 1981]

8°: 179, [1]p (first f blank); 44 col photos on 16 bound-in glossy f not includ in pag; 3 col text photos; 24 fig; tabs. Dk maroon, plasticized paper over bds, gilt titles cover & spine. Purplish-pink & white dj, with col photo; back cover resume; flap portr of Z. & vita. 21.1 x 14.8 cm(8 1/4 x 5 3/4 in). Cut. JSL.

Cont: blank f; 1/2tp; list of edits this work; tp; dedic; ackn; note; tab cont; introd; 13 chs; appends; gloss; biblio(p 169-73, 24 entries); index; publ data.

Contains an extra ch, 13, p111-39, in which is discussed the gem certificates issued by the Gemological Institute of America's Gem Trade Laboratory, American Gem Trade Laboratory, and others, including a laboratory operated by the translator in Geneva. The certificates are photographically reproduced and the last of the lot is accompanied by three color text photos(ruby). Glossary expanded, also biblio; other minor changes.

7453. -----1981 Gemstones - everyone's best friend. In: *How To Make Your Money Make Money. The Experts Explain Your Alternatives, The Risks, The Rewards*. Edit Arthur Levitt, Jr, Homewood, Illinois, Dow Jones-Irwin, 1981, p 143-63, 3 tabs, 3 ills; biblio 14 entries. Appraisal of possible investment values in gemstones.

7454. -----1984

Gems and Jewels | A Connoisseur's Guide | Benjamin Zucker | with 256 illustrations in color | [logo] | Thames And Hudson [New York: 1984]

4°: 248 p; 256 col photos on 60 bound-in glossy f; 5 b&w ill. V dk purple cloth(silk?), gold spine title; gold logo on front cover; v pale purple endp. White dj with col photo; flap resume, vita. 27 x 21.7 cm(10 5/8 x 8 1/2 in). Cut. $50.00. LC 83-51412; ISBN 0-500-01326-8 (on dj only!).

Cont: 1/2tp; tp; dedic & publ data; tab cont; introd; text; ills of Tavernier pl & diamond grading rpt; biblio(p240-3, 118 entries); ackn; index,

A large, handsome, and well-made book based on the author's choices of what he considers to be the principal gemstones, namely, ruby, sapphire, emerald (but not aquamarine), diamond, pearl, amber(!), lapis(!), jade, turquoise(!), opal, and garnet. Absent are tourmaline, topaz, amethyst, etc, all of which seem to be at least as "principal" as some of those named. Each chapter, one per gemstone, gives history, lore, sources, lapidary treatment, qualities, sizes, etc, all of which, on the whole, provide an accurate and well-rounded discussion of each stone. Groups of color photos accompany each gemstone and show mainly cut specimens and gems as set in antique to modern jewelry pieces. Generally the color photos are good but some, notably among emeralds, opals, and garnets, are not faithful reproductions of true colors. The bibliography is very good although author J Sinkankas, is misspelled twice! Widely divergent reviews, eg, M J O'Donoghue, *J Gemm*, 19, 8, 1985, 735, "poor knowledge of gemstones shown by author...many careless misspellings, etc;" in contrast, rev in *G & G*, 21, 4, 1985, 251 is uniformly laudatory.

7455. ZVEREV, P N Granilnyi promysel na Urale [Lapidary industry of the Urals]. Ekaterinburg: 1887, 8°, 94, xxvii p; not seen.

7456. ZWAAN, P The gem collection of the Rijksmuseum van Geologie en Mineralogie of Leiden: the peridots. *Leidse Geol Med*, 22(1957-8), 1959, p 501-16, 5 fig. Not seen; from *Min Abstr*, 14, 6, 1960, 407-8.

7457. ZWIERLEIN-DIEHL, ERIKA

Antike Gemmen | In Deutschen Sammlungen | Band II | Staatliche Museen Preussischer Kulturbesitz | Antikenabteilung. Berlin | Bearbeitet von Erika Zwierlein-Diehl | photographiert von Isolde Luckert | Prestel Verlag München [1969]

Facing title: "Antike Gemmen | In Deutschen Sammlungen | Berlin · Braunschweig · Göttingen · Hamburg | Hannover · Kassel · München"

8°: 324 p; ca 800 photos & 21 ill on 56 bound-in glossy f & includ in pag; these appear in two groups, betw p 12-17 & [200]-[303]; 20 text fig. Gray cloth, gold lett on black & red spine panels. White dj, gem photo on cover; resume, other bks of publ. 27.9 x 20.9 cm(11 x 8 1/4 in). Cut. JSL. Arntzen P591.

Cont: ser 1/2tp; ser tp; tp; publ data; tab cont; introd; hist note; fwd; notes; advice to reader; abbrevs(biblio p 18-20, 67

entries); cat; concord lists; indexes(sources of gems, gem materials, forms, inscripts, subjects & objects on gems, technique & styles, artists).

Thorough studies upon a select portion of the engraved gem collection in the State Museum of Prussian Culture in Berlin. The collection was begun by Frederick the Great(1712-1786) when he acquired the Stosch Collection, and augmented by numerous gems purchased after the last formal catalog of the collection by A Furtwängler, 1896, which see, and thus described here for the first time. The history of the collection, p 9-17, includes reviews of important literature which refers to the collection. An interesting feature is the inclusion of facsimile titlepages from Beger's *Thesaurus Brandenburgicis*, 1696, which see, and two pictorial plates from the same work as well as a portrait of J J Winckelmann, who described the Stosch gems, 1740, which see. The catalog is arranged according to geographical-cultural divisions beginning with Minoan and Mycaenean pieces and extending into gems attributed to the Late Roman Empire. Each gem is adequately described its material identified, and size, provenance, previous citations, etc given. The photos are of uniformly good quality and taken from the actual gems with enlargement ratio stated.

7458. -----1973 Die antiken Gemmen des Kunsthistorischen Museums in Wien. I.Die Gemmen von der minoischen Zeit bis zur frühen römischen Kaiserzeit. Bearb von Erika Zwierlein-Diehl mit einem Vorwort von Wolfgang Oberleitner. München 1973. 179 p, 94 pls; text ills. Buckram 28.5 x 21 cm. Not seen; from Arntzen P593 who states this to be the first of a 3-vol series. Catalog entries include descriptions, references, analytical discussions, and references to comparable pieces elsewhere. Photos of both originals and plaster impressions.

Biographical Sketch Of The Author

John Sinkankas was born in Paterson, New Jersey of Lithuanian immigrant parents on May 15, 1915. Both parents were of peasant stock and came to the United States to escape the oppression of the Tsarist regime and to seek their fortunes in the New World. Curious and adventurous by nature, Sinkankas in childhood explored both the city of Paterson with its silk manufacturies and such sights as the famous Passaic Falls which provided power to Alexander Hamilton's Society of Useful Manufactures in the early days of the Republic. By the age of seven, the famous traprock quarries of West Paterson, Great Notch, Haledon and Prospect Park had been visited by him and their fascinating minerals collected to begin a lifelong interest in mineralogy and geology.

His early efforts in collecting and studying minerals were guided by Dr James F Morton, Curator of the Paterson Museum, to whom he had gone for help. Dr Morton not only visited quarries with Sinkankas but also took him along on the Sunday hikes of the Paterson Rambling Club of which Morton was a member, especially when such hikes visited some of the abandoned iron mines in the dense woodlands of Northern New Jersey. Readings in mineralogy and geology, Dana and Kunz being favorite authors, took place in the Danforth Memorial library of Paterson. Frequent visits, *en famille*, were also made to major natural history, art, and science museums in New York City, and particularly to the American Museum of Natural History whose Morgan Hall of Gems proved irresistibly attractive. It was here that Sinkankas saw the famous faceted blue topaz egg prepared by New York lapidary Anthony Espositer and vowed that some day he would create its equal.

Early cultural activities were not limited to mineralogy and with the encouragement and accompaniment of his sister, Jean (Mrs. Rondo), James Davenport, instructor in English Literature in Eastside High School, and Miss Marguerite Bristol Tiffany, Professor of Art, Paterson State Teachers College, numerous visits were made to New York City to visit collections of art and studios of prominent artists, attend concerts, and see the many plays that were then available at low Depression prices. He had the privilege of seeing the Gershwin opera *Porgy and Bess* in its initial production. Skills in watercolor painting were further developed at this time and served him in good stead when he was able to make the watercolor illustrations for his *Gemstones of North America* and *Emerald and Other Beryls* volumes, plus many other sketches and drawings for these and other publications. In college he was a member of the Soccer Team and the Glee Club, participating in the annual productions of Gilbert & Sullivan operettas. Other hobbies included botanical studies and collecting of native flora, trout and bass fishing, camping, and skiing.

Sinkankas' interest in aviation came early with numerous visits to such flying fields as Caldwell and Teterboro, New Jersey to watch famous aviators perform as well as to see the antics of the Gates Flying Circus of Teterboro. In addition to constructing many balsa wood flying models of aircraft, Sinkankas also built a replica of a German training glider but a near disaster on his first solo in this machine caused his father to forbid further attempts at flying. It is understandable that upon graduation from college with a BS degree in Education, and no job in sight, that an offer from the US Navy to try for flight training was eagerly accepted.

After ten hours of instruction in the primitive biplanes which then served as trainers, Sinkankas soloed at US Naval Aviation Reserve Base, Floyd Bennett Field, Brooklyn, New York in the summer of 1936. In September he was dispatched to the US Naval Air Station, Pensacola, Florida and the next year, in 1937, designated Naval Aviator Number 5390. In the same winter he was ordered to duty to fly patrol seaplanes from the waters of Lake Washington, Seattle, Washington, and to engage in two advanced base operations

in Sitka, Alaska in winter and in summer of the following year.

Desiring a change in scene, Sinkankas then accepted an offer to transfer to duty in Coco Solo, Canal Zone, Panama in 1939, from which base he flew in South America and the West Indies on photographic and submarine reconnaissance missions. A former edict against Aviation Cadets being married was lifted, and the newly-appointed Ensign John Sinkankas, was free to marry his college sweetheart, Marjorie Jane McMichael of Paterson, New Jersey and take her to live in government quarters in the Canal Zone. Marriage took place in St. Paul's Episcopal Church in Key West, Florida on February 5, 1940, while Sinkankas' patrol seaplane detachment of Catalinas was based there during convoy escort operations. Shortly afterward, Sinkankas returned to Coco Solo and his wife to New Jersey to await US Army transport shipping to the Canal Zone. Children of this marriage are John William, living in the Seattle area, Washington, George Martin, Professor of Library Science, University of Tennessee, Knoxville, Sharon Jane Tooley, employed in Nordstrom's, San Diego, and Marjorie Ellen Coates, employed as an accountant in Atlanta, Georgia. There are six grandchildren.

Upon the formal entry of the United States in World War II, Sinkankas was sent to Floyd Bennett Field as an instructor, and then assigned to a patrol seaplane squadron that eventually based in Argentia, Newfoundland and in two bases in Greenland. While in Greenland, Sinkankas began his writing career with an article on charr fishing in Greenland for *Field & Stream Magazine*, and took the opportunity, with Colonel Bernt Balchen of Admiral Richard Byrd flying fame, to visit Danish communities along the West Coast of Greenland, especially the famous locality for the aluminum fluxing mineral known as cryolite which then was being mined at Ivigtut in Southern Greenland. Here he collected a box of typical minerals from the deposit and dispatched them to the Paterson Museum which had also received his collection of minerals when he first entered the Navy. The first occurrence of the rare garnet variety rhodolite in Greenland was found by him on the shores of Sondre Strom Fjord above the Arctic Circle and duly reported in the literature. From Greenland, where he had suffered an accident during skiing, Sinkankas was transferred to Brooklyn Naval Hospital and then to Naval Air Station, Pensacola to take command of an anti-submarine convoy coverage unit, after which he was appointed commanding officer of the patrol seaplane training squadron. Subsequent tours of duty included staff assignments in Adak and Kodiak, Alaska on the staff of the commandant of the 17th Naval District. Here he had the opportunity to answer a call from the Naval Aircraft Factory, Philadelphia for ideas on how to construct non-damaging arresting barriers on aircraft carriers to accommodate jet aircraft. He submitted a design for an erecting barrier which essentially became that now in use. In addition to two tours of duty in Washington, DC, he also had the opportunity to serve as Executive Officer aboard the aircraft carrier USS Saipan during a prolonged stay in Japan in the closing months of the Korean War and then to participate in the ship's round the world cruise.

Interest in earth science was renewed at the end of World War II when he took the correspondence courses of the Gemological Institute of America and the American Gem Society to earn the degree of Certified Gemologist, AGS. In addition, courses in geology and aviation safety were taken in Californian universities, and also a year of mathematical, foreign language, and literary studies in the University of California at San Diego. During his last few years of active service, Sinkankas began cutting gems via self-instruction and at the same time wrote articles for various journals, as for example, for *Rocks & Minerals Magazine*, to which he contributed 34 articles from 1948 to 1959 on his travel experiences, collecting trips, and the practice of lapidary work. A long-term friendship with Dr W F Foshag, Curator of Geology, Smithsonian Institution, resulted in obtaining numerous samples of minerals for cutting whose treatment had never been published before and the results of which were incorporated in his first lapidary textbook. With enlarging experience, he was entrusted with the cutting of a series of very large gems now made practicable by use of a giant-size faceting machine and from which came gems of several thousand carats size. The largest cut specimen is the flawless faceted rock crystal egg of over 7,000 carats which is a featured exhibit in the Gem Hall of the US National Museum of Natural History in Washington, DC. Other small to large gems were also cut for the Royal Ontario Museum and the American Museum of Natural History.

A tour of duty in the Washington Bureau of Aeronautics where he was appointed Head, Aircraft Equipment Division, led to the adoption of the British Martin-Baker ejection seat for Naval jet aircraft despite vigorous opposition by domestic manufacturers who wished the program to be delayed until they could design and test their own seats. Also in this tour he was nominated for membership in the Cosmos Club of Washington, DC by Dr McBirney of the Bureau of Standards and Dr Pecora, Director, US Geological Survey, and was elected a member in 1960, and continues as such to the present. He also actively participated ln local mineralogical and geological societies, and is honorary member of the Mineralogical Society of the District of Columbia .

His numerous publications attracted the attention of Norman Hood, Senior Editor, D Van Nostrand Company, New York who requested him to prepare a manuscript on the art of cutting gems aimed at the growing amateur gem-cutting fraternity in the country. This proposal was accepted and in 1955 the first edition of *Gem Cutting - A Lapidary's Manual* was published, to be followed by a second edition in 1962, and a third edition in 1984 which was translated into Russian under the sponsorship of the USSR governmental publisher "MIR" in 1989, and is the only lapidary textbook available within the USSR written in their language.

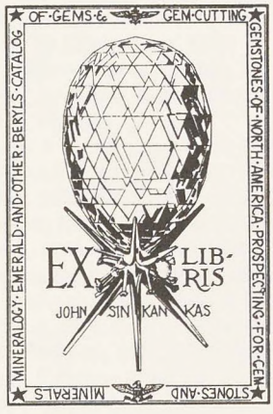
Other major works followed, as *Gemstones of North America*, 1959, which augmented and partly replaced the only previously available work of similar content published by G F Kunz in 1890 and 1892. A second volume, bringing information up to date, was published in 1976. In 1961 he published his *Gemstones and Minerals, How and Where to Find Them*, with a second edition under the title *Prospecting for*

Gemstones and Minerals in 1970 and finally reprinted as *Field Collecting Gemstones and Minerals* in 1989. His text book, *Mineralogy*, first appeared in 1964 and was also issued in a college first-course edition. Other works are *Sinkankas' Standard Catalog of Gems*, first published in 1968, and *Gemstone and Mineral Data Book*, first published in 1972. By far the largest and most complete treatise from his hand is *Emerald and Other Beryls*, Chilton, 1981, with a shortened version by P C Read published by Butterworths in 1986. Up to date, Sinkankas has published 135 articles and the books noted above which by the end of 1990 had sold nearly one-quarter million copies.

In 1961 Sinkankas retired from active duty in Norfolk, Virginia in his permanent rank of Captain, US Navy, settling in San Diego, California where he still resides. This city was chosen because of its wealth of gem mines in adjacent San Diego County and taking a position of editor on the staff of the *Lapidary Journal*. With the experience gained in visiting many similar gem mines in the New England States, North Carolina, and Virginia he was able to examine virtually all significant gem mines in the county and in the similarly mineralized region south of the border in Baja California to discover and mine additional gem minerals. At one time Sinkankas owned interests in the Rutherford Mine, Amelia, Virginia and Esmeralda Mine, San Diego County, California. While mining upon the Little Three topaz claim near Ramona, San Diego County he discovered and identified the rare borate mineral hambergite for the first time in the Western Hemisphere. During this retirement period, Sinkankas finished his *Mineralogy*, and as a result was appointed Research Mineralogist in Scripps Institution of Oceanography where he participated in the mineralogical examination of the first samples of rocks from the Moon. He also received a temporary appointment as Associate Professor in San Diego State University where he taught mineralogy for two semesters but left both universities to devote all his time to writing. Sinkankas' writing career was based on the premise that in order to write with authority it was necessary to accumulate a private library rather than to depend upon finding necessary references in a local library. Even prior to his first book, *Gem Cutting*, he began assembling articles and books which dealt with lapidary work, mineralogy, geology, and associated fields of learning. His library, sold in toto in 1989 to the Gemological Institute of America, Santa Monica, California was more than forty years in the making and served not only as the basis for his research but also for this bibliography via careful notes and descriptions made as each item was acquired.

In addition to honors and memberships mentioned above, Sinkankas was elected a Fellow of the Mineralogical Society of America in 1967 and in the same year received the Distinguished Alumnus Award from William Paterson State College. In 1982 he received the Distinguished Associate Award of the Gemological Society of America, and also the degree of Doctor of Philosophy, Honoris Causa, from William Paterson College. In 1983 the American Federation of Mineralogical Societies presented him with their Scholarship Foundation Award because of contributions to mineralogical education and knowledge and in 1984 a new phosphate mineral was named sinkankasite in his honor. In 1985, he was named an honorary member of the Rochester, New York Academy of Sciences. The first individual Carnegie Mineralogical Award, for the Year 1988, with medal, was presented to Sinkankas by the Carnegie Museum of Natural History of Pittsburgh, Pennsylvania. Sinkankas is a Charter Member of the Naval Aviation Museum Foundation, Pensacola, Florida, a member of the Authors Guild and of the Antiquarian Booksellers Association of America. He is Associate Editor, *Gems & Gemology Magazine*, Santa Monica, California.

With his wife, Marjorie, he operates an antiquarian earth sciences book selling business named Peri Lithon Books after the treatise on stones written by Theophrastus, a disciple of Aristotle. He remains active in the field of writing geological literature and book selling, and from time to time takes brush in hand to paint a watercolor.



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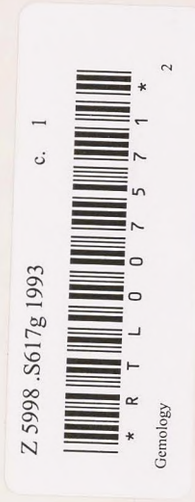

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